Kathleen C. Haynie, Ph.D.
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EDUCATION

Ph.D. in Psychological Studies in Education, Stanford University, Stanford, CA.
M.Ed. in Educational Statistics and Measurement, Rutgers University, New Brunswick, NJ.
B.A. in Mathematics and Music, Oberlin College, Oberlin, OH.

PROFESSIONAL EXPERIENCE

Director of Haynie Research and Education, Skillman, NJ (http://www.haynieresearch.com)
conducting evaluation and research work in STEM education. May 2002 to present. Projects and initiatives:

- Research Director for the *Pathways for Alabama Computer Science* (PACS) initiative (Department of Education EIR award #U411C190267). PI is Dawn Morrison, Alabama State Department of Education. September 2019 to present.

- External Evaluator of the study *Expanding a Statewide Pathway for CS Teacher Certification: A Curriculum Model for Secondary Education Teacher Candidates* (NSF award #2122882). PI is Jeff Gray. October 2021 to present.

- External Evaluator of the study *Horizons Expanding through Language Learning (Project H.E.L.L.O)* at North Hanover School District, NJ (DoDEA). PI is Helen Payne. September 2021 to present.

- External Evaluator for the program *Socially Cognizant Robotics for a Technology Enhanced Society* (NSF NRT award #2021628). PI is Kristin Dana. September 2020 to Present.

- Research Director for the *Roadways for America's Cancer Explorers for the 21st Century (RACE-21)* initiative (NIH award R25CA244092). PI is Michael Wyss, University of Alabama Birmingham, CORD Center and O'Neal Comprehensive Cancer Center. September 2020 to present.

- External Evaluator for the program *Advancing Women in Computer Science* (Northeastern University). PI is Midge Cozzens. January 2020 to February 2023.

- External Evaluator for the program *Data Science Principles of the Human-Machine Convergence* (NSF HDR award #1934924). PI is Fred Roberts. August 2019 to August 2023.

- External Evaluator for the program *Making Math Meaningful (M3)* at North Hanover School District, NJ (DoDEA). PI is Helen Payne. May 2019 to October 2023.

- Lead Researcher for *Exemplary School-level Approaches to Broadening Participation in AP Computer Science Principles* (NSF). May 2019 to February 2020.

- Researcher and External Evaluator of the study *Science Education Enabling Careers II* (NIH-SEPA award #R25 GM132967). PI is Michael Wyss. March 2019 to present.

- External Evaluator of the study *Peer-learning Communities to Develop Rural, African American Girls' Computer Science Knowledge and Career Readiness* (NSF award #1759421). PI is Jeff Gray. September 2018 to August 2023.

- External Evaluator of the study *Teacher Professional Development for Embedding Computational Thinking in Mathematics and Science High School Classes* (NSF award #1812982). PI is Margaret Cozzens. September 2018 to August 2022.

- Co-PI of the study *Computer Science Outcomes Networked Improvement Community* (NSF Award #1649671). Co-PIs are Tiffany Berry and Tom McKlin. October 2016 to September 2018.

- Evaluation Expert for the CS Open Network: Building Evaluation Capacity using Google Tools (Google is the funder). Co-PIs are Jason Ravitz and Karen Peterson. August 2015 to March 2018.

- External Evaluator of the study *Bringing a Rigorous Computer Science Principles Course to the Largest School System in the U.S.* (NSF award #1441075). Co-PIs are June Mark, Al Cuoco, and Paul Goldenberg. January 2015 to December 2018.

- Consulting Evaluator of the study *CS10K Common Data Elements* (NSF award #13394247). SageFox Consulting Group. December 2014 to September 2018.
- Researcher and External Evaluator of the study *Collaborative Research: Infusing Cooperative Learning into Computer Science Principles Courses to Promote Engagement and Diversity* (NSF award #1441045). Co-PIs are Jeff Gray, Owen Astrachan and Fran Trees. August 2014 to July 2018.
- External Evaluator of the *Science Education Enabling Careers* (NIH-SEPA award #R25 OD 16490-1). PI is Michael Wyss. May 2014 to February 2019.
- External Evaluator of the study *Broadening Participation: The Development, Implementation, and Evaluation of an AP Computer Science Preparatory Sequence for Underrepresented High School Students* (NSF award #13394247). Co-PIs are Allison Scott, Alexis Martin, and Jarvis Suicer. May 2014 to December 2016.
- External Evaluator of the study *Collaborative Research: Broadening Participation in Computer Science: AP Computer Science Principles Phase II* (NSF award #1246957). Co-PIs are Lien Diaz, Owen Astrachan and Amy Briggs. March 2013 to February 2017.
- External Evaluator of the study *CS4Alabama: A Model for Statewide Deployment of CS Principles Courses* (NSF award #1240944). Co-PIs are Jeff Gray and Mary Boehm. January 2013 to December 2016.
- External Evaluator of the study *Back to the Earth* (NSF award #11-39657). STEM work with middle school students from the Coeur d'Alene and Spokane tribes. Co-PIs are Anne Kern (University of Idaho), and Laura Lamatia. September 2012 to May 2016.
- External Evaluator of the study *Framing a Rigorous Approach to Beauty and Joy for Outreach to Underrepresented Students in Computing at Scale* (NSF award #1346922). Co-PIs are Dan Garcia and Brian Harvey of UC Berkeley. September 2010 to August 2015.
- External Evaluator of the study *Data-enhanced Investigations for Climate Change Education* (funded by NASA). PI is Dan Zalles. September 2010 to April 2015.
- External Evaluator of the study *Studying Topography, Orographic Rainfall, and Ecosystems (STORE) with Geospatial Information Technology* (NSF award #1019645). Co-PIs are Dan Zalles, James Manitakos, and James McKinster. September 2010 to April 2014.
- External Evaluator of the DRK-12 study *Electronic Teacher Guide: Its Development and Use in Supporting Educative Curricula* project (NSF #0918702). Co-PIs are Jacqueline Miller and Bill Tally. September 2009 to May 2015.
- External Evaluator of the *Using Computational Thinking to Model a New Course: Advanced Placement Computer Science Principles* (NSF award #0938336). Co-PIs are Lien Diez, Owen Astrachan and Amy Briggs. June 2009 to August 2012.
- External Evaluator of the DRK-12 study *Application of Evidence-Centered Design to State Large-Scale Science Assessment*, funded by the NSF (0733172). Co-PIs are Robert Mislevy and Geneva Haertel. September 2007 to August 2012.
- Principal/Co-Principal Investigator for the studies *A Partial Credit Modeling Study of NCLEX Innovative Items* (with Dr. Hong Jiao) and *Applications of a Partial Credit Model to NCLEX Multiple Options and Ordered Response Items* (with Dr. Edward Wolfe), funded by the Joint Research Committee. May 2009 to May 2011.
- External Evaluator of the *Data-driven Inquiry in Geoscience and Environmental Restoration Studies* project, funded by the NSF. September 2008 to August 2011.
- Principal Investigator for the *Evaluation of the BLAST Pre-K Science Exploration Program* study, funded by Bristol-Myers Squibb. May 2005 to December 2008.
- Evaluator of the GLOBE Program Office (Year 4) and GLOBE ESSP Watersheds project, implemented by The Learning Partnership. March 2007 to December 2008.
- Manager and Lead Researcher for the *Principled Assessment Designs for Inquiry* (PADI) project. Floating Pencil, Mystery Powders, BioKIDS, and GLOBE strands. Funded by the NSF. Co-PIs are Robert Mislevy and Geneva Haertel. September 2004 to May 2007.
- Principal Evaluator of the R&D Education Curricular Program developed by Bristol-Myers Squibb and pilot-tested in Montgomery, NJ. May 2006 to July 2007.

- Principal Evaluator of the PRISM Video-Conferencing program, implemented by the PRISM Center, Montclair State University. August 2005 to June 2007.

- Researcher for the *Validities of Standards-Based Science Inquiry Assessments: A Study of Multi-Method Indicator Systems*, designed and implemented by the SRI International Center for Technology in Learning. November 2003 to June 2005.

- Evaluation of the *Partnership Program for Excellence in Mathematics, Science, and Technology*, implemented by the New Jersey Statewide Systemic Initiative (NJSSI) and funded by the NSF. August 2002 to January 2005.

- Evaluation of the *Urban Science Education Collaborative for Teacher Effectiveness* project, funded the NJ Commission on Higher Education, and involving the New Brunswick school district. June 2002 to July 2004.

- The Lead Evaluator for the *New Jersey Math and Science Partnership*, funded by NSF. October 2002 to September 2003.

Research Assistant for the Evaluating Communities of Learners project, funded by the Mellon Foundation. Principal Investigator, Edward Haertel. 1997-2000.

Research Assistant for the TIMSS 8th Grade Math study, one of a series examining construct validity of mathematics and science achievement tests. Factor analyzed TIMSS data, interpreted cognitive factors, studied validity evidence. 1998-2000.

Statistical Specialist with Educational Testing Service and The Chauncey Group, Intl. Utilized computerized adaptive testing and applications of item response theory for large-scale, computerized testing programs (e.g., GRE, NCLEX). 1987-1996.

ACADEMIC EXPERIENCE

Adjunct Professor at Rutgers University Graduate School of Education. *Psychology of Learning* taught at Educational Testing Service. Fall 2004.

Instructor for Rutgers University Summer Session. *Assessment and Measurement for Teachers*. June 2003.

Adjunct Professor at Dominican College, Psychology Department. *Developmental Psychology II: Adolescence through Adulthood*. Spring 2002.

Lecturer at San Jose State University, Child Development Department in the College of Education. *Critical Issues in Adolescent Development*. Fall 2000.

Teaching Assistant for Stanford University School of Education course "Introduction to Statistical Methods in Education", taught by Ed Haertel. Fall 1996.

SELECTED PUBLICATIONS

M.S. Johnson, K.C. Haynie, L.A. Shevde, & J.M. Wyss (in press). *BioBridge Prepares Students to Successfully Bridge into High School Biology through Cancer Research Education*. Journal of STEM Outreach. Submitted April 2024.

K. Busch Chandran, K. Haynie, R. Tawbush, & J.M. Wyss (2021). *Effectively adapting and implementing in-person teacher professional development to a virtual format*. Journal of STEM Outreach. Vol. 4, Issue 3, August 2021.

M. Escobar, J. Gray, K. Haynie, M. Qazi, Y. Rawajfih, P. McClendon, D. Tucker, & W. Johnson (2021). *Engaging Black Female Students in a Year-long Preparatory Experience for AP CS Principles*. SIGCSE '21 Proceedings of the 52nd Technical Symposium on Computer Science Education (Virtual event).

J. Gray, K. Haynie, F. Trees, O. Astrachan, C. Uche, R. Kick, & S. Cooney. (2019). *Infusing Cooperative Learning into AP Computer Science Principles Courses to Promote Engagement and Diversity*. SIGCSE '19 Proceedings of the 50th Technical Symposium on Computer Science Education.

M. McGill, A. Decker, T. McKlin, & K. Haynie (2019). *A Gap Analysis of Noncognitive Constructs in Evaluation Instruments Designed for Computing Education*. SIGCSE '19 Proceedings of the 50th Technical Symposium on Computer Science Education.

Evaluation Working Group. (2018). *CS10K Common Data Report: 2017-2018*. Amherst, MA: Sagefox Consulting.

A. Decker, M. McGill, L. DeLyser, B. Quinn, M. Berry, K. Haynie, & T. McKlin. (2018). Repositories You Shouldn't Be Living Without. In *Proceedings of the 49th SIGCSE Technical Symposium on Computer Science Education (SIGCSE '18),* Baltimore, Maryland USA, February 2018, 2 pages. DOI: 10.1145/123 4

J. Ravitz, K. Peterson, K. Haynie, & J. Tiffany-Morales (2017). *Strengthening informal CS education program delivery through evaluation capacity building (abstract only).* SIGCSE '17 Proceedings of the 48th Technical Symposium on Computer Science Education, 729.

Evaluation Working Group. (2017). *CS10K Common Data Report: 2016-2017.* Amherst, MA: Sagefox Consulting.

Jin, K., Haynie, K., & Kearns, G. (2016). *Teaching Elementary Students Programming in a Physical Computing Classroom.* SIGITE '16: Proceedings of the 17th Annual Conference on Information Technology Education, 85-90.

Evaluation Working Group. (2016). *CS10K Common Data Report: 2015-2016.* Amherst, MA: Sagefox Consulting.

Gray, J., Haynie, K. C., Packman, S.P., Boehm, M., Crawford, C., & Muralidhar, D. (2015). *A Mid-Project Report on a Statewide Professional Development Model for CS Principles.* SIGCSE '15 Proceedings of the 46th Technical Symposium on Computer Science Education, 380-385.

Haynie, K., Paget, K. F., & Miller, J. S. (2015). *Re-imagining a curriculum guide for teachers in digital format: A collaboration crossing geographical, disciplinary, and culture boundaries.* Waltham, MA: Education Development Center, Inc. http://ltd.edc.org/resource-library/eTGWhitePaper

Jiao, H., Liu, J., Haynie, K., Woo, A., & Gorham, J. (2012). Comparison between Dichotomous and Polytomous Scoring of Innovative Items in Computerized Adaptive Tests. *Educational and Psychological Measurement.* Vol. 72, no.3, 493-509.

Astrachan, O., Haynie, K., Stephenson, C., Diaz, L., & Briggs, A. (2010). *Re-imagining the first year of computing.* SIGCSE '10 Proceedings of the 41st Technical Symposium on Computer Science Education, 329-330.

Haynie, K. (2010). *Planning evaluations for DR K-12 design projects: An evaluative framework using evidence-centered design.* ECD Technical Report 5. Menlo Park, CA: SRI International.

Fulkerson, D., Nichols, P., Haynie, K., & Mislevy, R. (2009). *Narrative structures in the development of scenario-based science assessments.* ECD Technical Report 3. Menlo Park, CA: SRI International.

Mislevy, R., Liu, M., Cho, Y., Fulkerson, D., Nichols, P., Zalles, D., Fried, R., … Hamel, l. (2009). *A design pattern for observational investigation assessment Tasks.* ECD Technical Report 2. Menlo Park, CA: SRI International.

Brecht, J., Cheng, B., Mislevy, R., Haertel, G., Haynie, K. (2009). *The PADI system as a complex of epistemic forms and games.* PADI Technical Report 21. Menlo Park, CA: SRI International.

Seibert, G., Hamel, L., Haynie, K., Mislevy, R., & Bao, H. (2006). *Mystery Powders: An application of the PADI design system using the four-process delivery system.* PADI Technical Report 17. Menlo Park, CA: SRI International.

Haynie, K. , Haertel, G. D., Lash, A. A., Quellmalz, E. S., & DeBarger, A. H. (2006). *Reverse-engineering the NAEP floating pencil task using the PADI Design System.* PADI Technical Report 16. Menlo Park, CA: SRI International.

Haynie, K. (2001). *Developing adolescents' understandings of community and self through participation in two English literature classrooms.* Doctoral dissertation, Stanford University.

CONFERENCE PRESENTATIONS, WORKSHOPS

"Computational Thinking Pathways in Rural Alabama High Schools." With D. Morrison and T. Blankenship. A presentation at the Alabama Computer Science Summit, Montgomery, AL. April 2024.

"Assessing Computational Thinking Pathways for High Schools: An Application Using Coarsened Exact Matching". With J. Gorham. A paper presentation at the NCME Conference, Philadelphia. April 2024.

"BioBridge Aims to Decrease Cancer Health Disparities through Early STEM Intervention" With Michelle Johnson, Lalita Shevde-Samant, J. Michael Wyss. Poster presentation at the Minority Health and Health Equity Research Center, University of Alabama Birmingham, April 2024.

"Support and Preparation in Computer Science for Black Female Scholars" With Martha Escobar, Mohammed Qazi, Jeff Gray. Paper presentation at the AEA Conference, Minneapolis, MN, November 2019.

"Peer Learning Communities to Develop Rural, African American Girls' Computer Science Knowledge and Career Awareness" With Jeff Gray, Martha Escobar, Mohammed Qazi, Yasmeen Rawajfih. Flash talk given at the NSF ITEST PI and Evaluator Summit, Alexandria, VA, June 13-14, 2019.

"Infusing Cooperative Learning into AP Computer Science Principles Courses to Promote Engagement and Diversity" With Jeff Gray. Part of a multi-paper presentation at the SIGCSE '19 Conference, Minneapolis, MN, February 26-March 2, 2019.

"A Gap Analysis of Noncognitive Constructs in Evaluation Instruments Designed for Computing Education." With Monica McGill and Tom McKlin. Part of a multi-paper presentation at the SIGCSE '19 Conference, Minneapolis, MN, February 26-March 2, 2019.

"Computer Science Impact Network and Evaluation Capacity Building Resource Center". With Ann Martin and Tom McKlin. Part of a multi-paper presentation at the AEA Conference, Cleveland, November 2018.

"Resources for High Quality Measurement - Submit Tools and Resources for Evaluators and Practitioners in Education Settings". With Sonia Koshy, David Fetterman, and Tom McKlin. Poster presentation at the AEA Conference, Cleveland, November 2018.

"The Computer Science Impact Network and Building a Common Measures Repository." A paper presentation at the AERA Conference, New York, April 2018.

"Measuring the Efficacy of Large-Scale Computer Science Efforts in K-12 Settings: Strategies and Challenges." With Tom McKlin, Adriana Villacencio, Dixie Ching, Leigh Ann DeLyser, Cheri Fancsali, and Rebecca Zarch. A panel presentation at the AERA Conference, New York, April 2018.

"Managing an Evaluation with Focus on Research-Practitioner Partnerships". A presentation and discussion at the CISE/EHR Conference, Washington, D.C. March 2018.

"The Why and How of Program Implementation Measurement". With Tiffany Berry and Tom McKlin. A presentation at the CISE/EHR Conference, Washington, D.C. March 2018.

"Building a Computer Science Evaluation Learning Community: Using Empowerment Evaluation and Technology Tools". With David Fetterman, Jason Ravitz, and Tom McKlin. A Think Tank presentation at the AEA Conference, Washington, D.C. October 2017.

"The National Girls Collaborative Project and Google: Using a Guided Network of Practice to Build and Strengthen Evaluation Capacity of Nonprofits". With Juliet Tiffany-Morales. A poster presentation at the AEA Conference, Washington, D.C. October 2017.

"BJC4NYC: Research and Evaluation Findings". With Hetal Thukral and David Lopez. A presentation for the National Science Foundation Site Visit, New York, NY. April 2017.

"CSONIC Empowerment Evaluation Session". With David Fetterman, Jason Ravitz, and Tom McKlin. An interactive empowerment evaluation session with the CSONIC community at the Computer, Information Science, and Engineering (CISE) meeting, Denver, CO. March 2017.

"CS4Alabama: A Model of Statewide Deployment of CS Principles". With Jeff Gray. A poster presentation at SIGCSE '17, Seattle, WA. March 2017.

"Designing and Conducting Evaluations of Professional Development for CS Principles: Lessons Learned since 2010". A paper presentation at the AEA Conference, Atlanta, GA. October 2016.

"Infusing Cooperative Learning into CS Principles: Research and Evaluation". A presentation for recruited teachers at the CS PD week Conference, Golden, CO. July 2016.

"The National Girls Collaborative Project and Google: A Partnership to Increase and Improve Informal Computer Science Opportunities for Girls by Building and Strengthening Evaluation Capacity of Nonprofits". With Karen Peterson,

Jason Ravitz, and Jamie Gaurganus. A multi-paper presentation at the AEA Conference, Atlanta, GA. October 2016.

"CS Principles Evaluation Results: Phase II, Year 2014-2015". With Sheryl Packman and Maureen Ewing. A presentation at the CS Principles Advisory Board Meeting, Austin, TX. November 2015.

"Broadening Participation in Computer Science: Evaluating the CS Principle Initiative". With Sheryl Packman. A paper presentation at the AEA Conference, Denver, CO. October 2014.

"Partnering with Tribal Communities: Building the Foundation for Evaluation of the Back To The Earth Project". With Anne Kern. A paper presentation at the AEA Conference, Denver, CO. October 2014.

"Restoring Water, Culture, and Relationships: Using a CMPR Methodology for Engineering Education." With Amy Navickis-Brasch, Anne Kern, Fritz Fiedler, J. Cadwell, Chris Meyer, and Laura Laumatia. ASEE Annual Conference and Exposition. Indianapolis, IN. June 2014.

"A First-year Experience Report on a Model for Statewide Deployment of CS Principles Courses". With Gray, J., Hossain, M., Corley, J., Wagner, A., Lamm, C., Boehm, M., Crawford, C., Packman, S., Muralidhar, D., Baker, J., Black, R., Falgout, S., Holt, K., Lilly, A., McCarley, G., Morse, J., Rountree, J., Westerlund, J., Yarbrough, C. SIGCSE '14 Proceedings of the 45th ACM Technical Symposium on Computer Science Education, p. 724. Poster presentation. March 2014.

"Leveraging Evidence-Centered Design (ECD) within Scenario-Based Statewide Science Assessment". With G. Haertel, R. Mislevy, D. Fulkerson, P. Nichols, M. Liu, B. Cheng, A. DeBarger. A presentation at the AERA Conference, San Diego, April 2009.

"Using Evidence-Centered Design in Building States' Large-Scale Assessments". With G. Haertel, D. Cameron, R. Mislevy, D. Fulkerson. A presentation at the CCSSO Conference on Student Assessment, Orlando, FL. June 2008.

"Evaluating Early Childhood Science Education: The Building Leadership and Assistance for Science Teaching (BLAST) PreK Science Explorations Program". A paper presentation at the AEA Conference, Portland, OR. November 2006.

"The PADI Design System as a Complex of Epistemic Forms and Games." With John Brecht, Robert Mislevy, and Geneva Haertel. A paper presentation at AERA Conference, Montreal. April 2005.

"Starting and Succeeding as an Independent Evaluation Consultant". With J.E. Williams, M. Hendricks, A. Germuth, M. Scheirer, T. Nichols. A recurring panel presentation at the AEA Conference. November 2004, 2005, 2006, 2007, 2008.

"Reverse-Engineering Scientific Inquiry Assessments Using Principled Assessment Design for Inquiry—Symposium". Paper and presentation at the AERA Conference, San Francisco. April 2006.

"Cultivating Evaluation Use in the Urban Science Educational Collective for Teacher Effectiveness Project." A paper presentation at the AEA Conference, Atlanta, GA. November 2004.

"Methodological Challenges in Evaluating the New Jersey Partnership Program." EERS Conference, Absecon, NJ. April 2004.

"Cultivating Formative Evaluation Use in the Urban Science Educational Collective for Teacher Effectiveness Project". EERS Conference, Absecon, NJ. April 2004.

"Evaluating Students' Opportunities to Learn the Science Content and Inquiry Skills Measured in Large-Scale Assessments". With Edys Quellmalz, Michael Trevisan. AERA Conference, San Diego. April 2004.

"Theories of Action for the New Jersey Math Science Partnership." A panel presentation at the AEA Conference, Reno, NV. November 2003.

"The Link Between Formative And Summative Assessment." With J. Coffey. Tri-State Laser Assessment Academy, Newark, DE. December, 2002.

"Developing Students' Conceptions Of Community And Self Through Practices In Two 11th Grade English Literature Classes". A paper presentation at the AERA Conference, New Orleans. April 2002.

"Deepening Adolescents' Understandings of Community And Self Through Participation In English Literature Classrooms". NCTE Research Midwinter Conference, Berkeley, CA. February 2001.

"Assessing And Promoting The Development Of Ideas: Middle Schoolers' Learning About Community Through Literacy Study." With S. Athanases. AERA Conference, New Orleans. April 2000.

"Cognitive Factors Affecting Performance of the TIMSS Population 2 Mathematics Achievement Test: A Comparison Of TIMSS Factors With Results of the NELS:88." NCME , Montreal. April 1999.

"Stability Of Item Calibrations For The NCLEX-RN And NCLEX-PN Using Computerized Adaptive Testing." With W. Way. A paper presentation at the AERA Conference, New York. April 1996.

"The Effects Of Item Pool Depth On The Accuracy Of Pass/Fail Decisions for the NCLEX Using CAT." With W. Way. A paper presentation at the NCME Conference, New Orleans. April 1994.

SELECTED EVALUATION AND RESEARCH REPORTS

Haynie, K. (2023). *Socially Cognizant Robotics for a Technology Enhanced Society (SOCRATES): Year 3 Project Evaluation Report.* A report prepared for the Rutgers University and National Science Foundation for NRT award #2021628. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. (2023). *RACE-21: UAB Undergraduate Cancer Research Annual Evaluation Report.* A report submitted to the CORD Center at University of Alabama Birmingham and the National Institute of Health for award #R25CA244092. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. and Blankenship, T. (2022). *Education Innovation and Research 2021-2022 Research and Evaluation Report: Pathways for Alabama Computer Science.* A report submitted to the Department of Education for EIR award #U411C1290267. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. (2022). *LEGACY Evaluation Report: Year 4 Cohort 3.* A report prepared for the University of Alabama and National Science Foundation for award #1759421. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. (2022). *Rutgers Advancing Women in Computer Science 2021 Project Evaluation Report.* Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. (2022). *Education Innovation and Research Year 1 Research and Evaluation Report: Pathways for Alabama Computer Science.* A report submitted to the Department of Education for EIR award #U411C1290267. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K., Blankenship, T., and Packman, S. (2021). *Education Innovation and Research Year 1 Research and Evaluation Report: Pathways for Alabama Computer Science.* A report submitted to the Department of Education for EIR award #U411C1290267. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. (2020). *TRIPODS Data-Inspire Institute: Evaluation Report for Year 1using Cooperative Learning.* A report prepared for DIMACS Center at Rutgers University and the National Science Foundation HDR award #1934924. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. (2019). *Infusing Cooperative Learning into CS Principles: Final Evaluation Report.* A report prepared for the National Science Foundation. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. and Albert, J. (2019). *Science Education Enabling Careers (SEEC) Final Evaluation Report.* A report submitted to the CORD Center at University of Alabama Birmingham and the NIH. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. (2018). *BJC4NYC 2017-2018 Evaluation and Research Results for Teachers.* A report submitted to Education Development Center and the National Science Foundation. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. (2018). *CS OPEN2: Final Project Report.* A report submitted to Google's K-12 Evaluation Team and the National Girls Collaborative. Skillman, NJ: Haynie Research and Evaluation.

Albert, J. & Haynie, K. (2017). *Rowan CS4HS: Educational Robotics for Absolute Beginners NXT and EV3 MOOCs Follow-Up Interview Report.* A report submitted to Rowan University Computer Science Department.

Berry, T., Haynie, K., McKlin, T., and Swope, M. (2017). *CSONIC Needs Analysis Final Report.* A report prepared for the National Science Foundation and made available to the CSONIC community. Claremont, CA: Claremont Graduate University.

Haynie, K., McKlin, T., Fetterman, D. and Ravitz, J. (2017). *CSONIC Empowerment Evaluation Session.* A report prepared for the National Science Foundation and made available to the CSONIC community. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. and Packman, S. (2017). *AP CS Principles Phase II: Broadening Participation in Computer Science Final Evaluation Report.* A report submitted to the College Board and the National Science Foundation. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. and Thukral, H. (2017). *BJC4NYC 2016-2017 Evaluation and Research Results.* A report submitted to Education Development Center and the National Science Foundation. Skillman, NJ: Haynie Research and Evaluation.

Albert, J. & Haynie, K. (2016). *Rowan CS4HS: Educational Robotics for Absolute Beginners NXT and EV3 MOOCs Cross-Survey Analysis.* A report submitted to Rowan University Computer Science Department.

Albert, J., Haynie, K., and Packman, S. (2016). *Science Education Enabling Careers (SEEC) Year 2 Evaluation Report.* A report submitted to the CORD Center at University of Alabama Birmingham and the NIH. Skillman, NJ: Haynie Research and Evaluation.

Evaluation Working Group. (2016). *CS10K Common Data Elements: Evaluation Working Group Year 2 Common Data Collection Report.* A report submitted to the National Science Foundation. Amherst, MA: Sagefox Consulting Group.

Haynie, K. (2016). *CS OPEN: Final Project Report.* A report submitted to Google's K-12 Evaluation Team and the National Girls Collaborative. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. (2016). *Evaluation Report for BJC4NYC: 2015 Leader Interviews.* A report submitted to UC Berkeley, Education Development Center, and the National Science Foundation. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. (2016). *Evaluation Report 2016 for SMASH Computer Science Education.* A report submitted to the Level the Playing Field Institute and the National Science Foundation. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. and Albert, J. (2016). *Professional Development for BJC4NYC in 2015: Summative Evaluation Report.* A report submitted to the UC Berkeley, Education Development Center, and the National Science Foundation. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. and Cooney, S. (2016). *Infusing Cooperative Learning into CS Principles: Year 2 Evaluation Report.* A report submitted to the Cooperative Learning project team and the National Science Foundation. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K., Mark, J., and Packman, S. (2016). *BJC4NYC 2015-2016 Evaluation and Research Results.* A report submitted to Education Development Center and the National Science Foundation. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. & Numkena, N. (2016). *Year 3 Evaluation Report for the Back to the Earth Project.* A report submitted to the University of Idaho and the National Science Foundation. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. and Packman, S. (2016). *AP CS Principles Phase II: Broadening Participation in Computer Science Year 3 Evaluation Report.* A report submitted to the College Board and the National Science Foundation. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. and Packman, S. (2016). *CS4Alabama: A Model for Statewide Deployment of CS Principles Courses: Final Evaluation Report.* A report submitted to the University of Alabama and the National Science Foundation. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. and Packman, S. (2016). *CS4Alabama: A Model for Statewide Deployment of CS Principles Courses: Year 3 Evaluation Report.* A report submitted to the University of Alabama and the National Science Foundation. Skillman, NJ: Haynie Research and Evaluation.

Evaluation Working Group. (2015). *CS10K Common Data Elements: Evaluation Working Group Year 1 Project Report.* A report submitted to the National Science Foundation. Amherst, MA: Sagefox Consulting Group.

Haynie, K. (2015). *Year 2 Evaluation Report for SMASH Computer Science Education.* A report submitted to the Level the Playing Field Institute and the National Science Foundation. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. and Cooney, S. (2015). *Infusing Cooperative Learning into CS Principles: Year 1 Evaluation Report.* A report submitted to the Cooperative Learning project team and the National Science Foundation. Skillman, NJ: Haynie Research and Evaluation.

Haynie, K. and Packman, S. (2015). *AP CS Principles Phase II: Broadening Participation in Computer Science Year 2 Evaluation Report.* A report submitted to the College Board and the National Science Foundation. Skillman, NJ: Haynie Research and Evaluation.

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PROFESSIONAL ACTIVITIES AND AFFILIATIONS

Reviewer for PSEG Selection Committee for School Sustainability awards, Sustainable Jersey. February 2018-present.

Program Chair and founding members of the American Evaluation Association STEM TIG, November 2017 to 2019.

Climate Change Educator through the Climate Reality Project. March 2017.

Reviewer for ACM SIGCSE Conference. 2015-2017.

Reviewer for Google's CS OPEN evaluation grants. 2015-2017.

NSF Invited Panelist for the INCLUDES initiative. May 2016.

Recruiter/Interviewer of prospective Oberlin College students 2006-present.

Reviewer for AERA Division C proposals. 2001, 2007.

Reviewer for proposals for the National Association for Research in Science Teaching (NARST) conference. 2007.

Consultant and parent participant on the Science Evaluation Committee for the Montgomery District Schools, Montgomery, NJ. 2006.

Reviewer for John Templeton Foundation planning grant. 2006.

Invited Panelist for the Doctoral Student orientation session, Stanford University School of Education. 2000.

Invited Panelist for the symposium, "Balancing Life's Career Choices with Oberlin's Values", Oberlin College. 2000.

Organizer of the NCME Graduate Student Poster Session. 1999.

Member of:
ACM Special Interest Group on Computer Science Education (SIGCSE: 2013-present)
American Educational Research Association (1994-present)

American Evaluation Association (2001-present)