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Experience

1995–present Curriculum Research & Evaluation, Inc. Chaplin, CT
Vice President & Principal Evaluator

- Assess innovative educational projects across a wide range of disciplines in PK-12 schools and undergraduate, graduate, and postgraduate programs
- Provide consulting services on proposal development and evaluation to colleges & universities, private corporations, private foundations, and federal and state funding agencies.
- Maintain all operations of firm and its needs in regard to research-based evaluation studies.

Evaluation Projects

Albertus Magnus University (Hamden, CT) US Dept of Education: Title III Grant, “*Charting a Course for Success: 360° of Support for Albertus Students*,” 2018-2023.

Sacred Heart University (Fairfield, CT) NSF S-STEM, “*Involvement in Coastal and Marine, Molecular, and Neuroscience*,” 2018-2023

Worcester Polytechnic Institute, Mathematical Sciences (Worcester, MA) NSF Research Experiences for Undergraduates (REU) 2018-2021

Worcester Polytechnic Institute, Civil and Environmental Engineering (Worcester, MA) NSF Research Experiences for Undergraduates (REU) 2018-2021

Connecticut Center for Advanced Technology, Inc. (East Hartford, CT), Hartford Foundation Grant for Public Giving funding for the “Young Manufactures Academy – In School Program,” 2018-2020.

Rowan University (Glassboro, NJ) NSF IUSE/Professional Formation of Engineers: REvolutionizing Engineering and Computer Science Departments (RED) “Rethinking Engineering Diversity, Transforming Engineering Diversity” 2016-2021

Sacred Heart University (Fairfield, CT) NSF Robert Noyes Teacher Scholarship Program, “Biology and Mathematics Educator Scholarship Program,” 2016-2021

Worcester Polytechnic Institute (Worcester, MA) NSF C-STEM Grant “Building Educational Bridges between Computer Science and Biology through Transdisciplinary Teamwork and Modular Curriculum Design” 2017-2020

Goodwin College (East Hartford, CT) Davis Educational Foundation, “Universal Design for Learning in Higher Education,” 2017-2020

Home City Development, Inc (Springfield, MA) and Enchanted Circle Theater (Holyoke, MA) Funder Collaborative for Reading Success, “Full Circle Literacy and Learning,” 2018-2019

Worcester Polytechnic Institute, Department of Biomedical Research (Worcester, MA) NSF Research Experiences for Undergraduates (REU) 2017-2019

Albertus Magnus University (Hamden, CT) NSF S-STEM, "The Evelyn Garrity Memorial Scholarship Program for Mathematics and Sciences Study," 2016-2019.

Southern AHEC, Inc. (Bridgeport, CT) External Evaluation of Community Health Worker Training and Project implementation, 2016-2019.

Architecture Research Center and the New Haven Public Schools (New Haven, CT), "Design Connections," 2010-2019.

Central Connecticut State University (New Britain, CT), CT Teacher Quality Partnership Grant, "Next-Gen Earth and Space Science Literacy Instruction and Expertise," 2015-2018

Area Cooperative Educational Services (Hamden, CT), "Trying All I can to Learn (TAIL)", 2018

Central Connecticut State University (New Britain, CT) Math Science Partnership Grant, "Intel Math," 2018.

Hartford Public Schools (Hartford, CT) Math Science Partnership Grant, "Exploring Computer Science," 2016-2018.

Central Connecticut State University (New Britain, CT) Math Science Partnership Grant, "CoNSEPT – Connecticut Network of Science Educators and Preservice Teachers," 2017-2018.

Connecticut Science Center, Math Science Partnership Grant, "Advancing & Scaling Science Education's New Terrain (ASSENT)," 2017-2018.

Bridgeport Public Schools, CT Priority Grant, Project Evaluator/Monitor, 2014 – 2018

Pioneer Valley Chinese Immersion Charter School (Hadley, MA) Summative School Survey Project, 2017

Southern Connecticut State University (New Haven, CT) Math Science Partnership Grant, "CoNSEPT – Connecticut Network of Science Educators and Preservice Teachers," 2016-2017.

Area Cooperative Educational Services (ACES) (Hamden, CT), External Evaluation of PDSI Operations and Projects. 2014-2107.

Green Street Center for Teaching and Learning in partnership with Wesleyan University (Middletown, CT), Math Science Partnership Grant: "Intel Math," 2014-2017.

Worcester Polytechnic Institute (Worcester, MA) Institute of Education Science (IES), "Seeds of Stem" 2016-2017

University of Hartford (West Hartford, CT), CT Teacher Quality Partnership Grant, "IMS: Integrating CCSS Math into NGSS Science" 2016-2017.

Connecticut Science Center, NGSS Awareness and Professional Development Evaluation and Monitoring Work, 2016-2017

Southington Public Schools (Southington, CT) US DoE SAMSHA Grant: Elementary Counseling Grant, 2016-2017

Pocomtuck Valley Memorial Association (Ware/Granby, MA), "Consortium for Finding Our Place: Engaging Disadvantaged Students for Academic Success." PETER I (Bank of America) Grant, 2014-2017.

Connecticut Center for Advanced Technology, Inc. (East Harford, CT), CT Math Science Partnership Grant: "Next-Gen Science CT," 2014-2017.

Eastern CT AHEC, Inc. (Willimantic, CT) External Evaluation of Community Health Worker Training and Project implementation, 2015-2016.

University of Hartford (West Hartford, CT), CT Teacher Quality Partnership Grant, "CT Social Studies Frameworks: Intensive Instruction for Secondary Social Studies" 2015-2016.

Foundations of Arts and Trauma at the Post Traumatic Stress Center (New Haven, CT), External Evaluation of A.L.I.V.E. Program, 2015.

Sacred Heart University (Fairfield, CT), CT Math Science Partnership Grant: "New Terrain Project," 2014-2015.

Connecticut Center for Advanced Technology, Inc. (East Harford, CT), CT Teacher Quality Partnership Grant: "PROMISE II/III," 2012-2015.

Enchanted Circle Theater in Partnership with the Collaborative for Educational Service (Holyoke/Northampton, MA) National Endowment for the Arts – Art Works Grant, Institute for Arts Integration, Project Evaluator, 2013-2014.

Hartford Public Schools Office of Talent Management (Hartford, CT), Focus Groups – Teacher Evaluation System, 2014.

Hartford Public Schools Office of Talent Management (Hartford, CT), Development of Survey Questions – Cultural Competency, 2014.

Area Cooperative Educational Services (Hamden, CT), "This Land is Your Land: A Teaching American History Project", 2010-2014

Westfield State University and Gateway Public Schools (Westfield, MA), "Memorializing Promise and Compromise: A Teaching American History Project," 2009-2014.

Hampshire Education Collaborative Teaching (Northampton, MA), American History Grant: "Emerging America", 2008-2014.

Area Cooperative Educational Services (Hamden, CT), "Life Liberty and the Pursuit of Happiness: A Teaching American History Project," 2008-2014.

Eastern Connecticut Area Health Education Center (Willimantic, CT), CT Statewide Retention Plan of the National Health Service Provider, 2013.

Area Cooperative Educational Services (Hamden, CT), "Liberty and Justice for All: A Teaching American History Project", 2008-2013.

Pocomtuck Valley Memorial Association (Deerfield, MA), Local School Consortium for "We're Making History: A Teaching American History Program," 2008-2013.

Westfield State University and Westfield Public Schools (Westfield, MA), "Visions of Liberty and Equality: A Teaching American History Project," 2008-2013.

Shelton Public Schools (Shelton, CT), "Democratic Vistas: A Teaching American History Project," 2008-2013.

CT Children's Museum (West Hartford, CT), NASA Grant: "From the Blue Planet to the Red Planet: Exploring Planetary Science," 2011-2012

Area Cooperative Educational Services in partnership with the University of New Haven (Hamden, CT), Mathematics and Science Partnership Grant: "Math Instructional Coaching," 20011-2012.

University of St. Joseph and New Britain Public Schools (West Hartford, CT), CT Mathematics and Science Partnership Grant: "Innovative Mathematics Academy for Advanced Learning and Leadership," 2009-2012.

Cromwell Public Schools in partnership with Central Connecticut State University (Cromwell, CT), "American Voices: A Teaching American History Project," 2008-2012.

University of Maine (Orono, ME), USDOE Title III Grant Office of English Language Acquisition: "Project Opportunity" Project Evaluator, 2007-2012.

Westfield State University (Westfield, MA), MA Mathematics and Science Partnership Grant: "Earth Systems: Learning Science by Doing Science," 2008-2011.

Danbury Public Schools (Danbury, CT), "Best Practices in Teaching American History: A Teaching American History Project," 2006-2011.

Pocomtuck Valley Memorial Association (Deerfield, MA), Consortium of Local Schools for "American Promises: A Teaching American History Program," Evaluator, 2007-2010.

Westfield State University and the Gateway Public Schools, (Westfield, MA) "American Promises Teaching American History Project," 2007-2010.

Waterbury Public Schools (Waterbury, CT), Safe and Drug Free Schools Program: Elementary Counselor Grant, 2007-2010.

Capitol Area Educational Services Center (Hartford, CT), "Charter Oak Collaborative: Teaching American History in the Capitol Region," 2004-2007; 2008-2010.

Connecticut Historical Society (Hartford, CT), CT SDE Interdistrict School Grant: "We're Making Connecticut History," 1997-2009.

Stratford Public Schools and Gilder Lehrman Center for the Study of Slavery, Resistance, and Abolition at Yale University (Stratford, CT), "The Story of American Freedom, A Teaching American History Project," 2005-2008.

Northrop Grumman Corporation: "ZERO-G Weightless Flights of Discovery Program" 2006-2007.

United Illuminating Company and Northeast Utilities Systems with NEXUS Market Research: "eeSmarts Process Evaluation in Collaboration," 2005-2006.

Waterbury Public Schools (Waterbury, CT), "Implementation of Functional Family Therapy, SAMHSA/CMHS, Targeted Capacity Expansion: Prevention Early Intervention Program" Summative Evaluator, 2005.

US Department of Education and Connecticut United for Research Excellence (CURE): "Study of the Operation and Effects on Students, Teachers, and Schools of the Statewide BioBus Program," 2003-05.

Norwalk Maritime Aquarium and Howard Hughes Medical Institute (Norwalk, CT), "Elementary School Science Curriculum Project," 2002-2005.

Hartford Public Schools (Hartford, CT), Safe Schools & Healthy Students Grant: "District-Wide Character Education Study", Research Associate, 2001-04.

Integrated Day Charter School (Norwich, CT), "21st Century Community Learning Center Grant" 1999-03.

United Technologies Corporation (Hartford, CT), Hartford Education Initiatives (HEI), comprehensive evaluation of corporate contributions to public education, Research Associate 1998-1999.

Selected Publications/ Presentations

Forin, Tiago R, Sukumaran, B., Farrell, S., Hartman, H., Kauser J., Dusseau, R.A., Bhavsar, Jeff Hand, J. and Bruckerhoff, T. Rethinking Engineering Diversity, Transforming Engineering Diversity (REDTED). Poster presented at: 2017 ASEE Annual Conference & Exposition; 2017 June 24-28; Columbus, Ohio

Bruckerhoff, C. and Bruckerhoff, T. (2000). Hartford Public High School: Analysis of 1998-1999 First Quarter 9th Grade Student Records. February 2000, ERIC ED438330.

Bruckerhoff, C. and Bruckerhoff, T. (2000). CT Academy for Education in Mathematics, Science, and Technology, Project CONNSTRUCT, Year-End Evaluation, 1998, ERIC ED429992.

Bruckerhoff, C. and Bruckerhoff T. (1999). Comprehensive Partnerships for Mathematics and Science Achievement: Hartford Public Schools, Year-End Report. March 1999, ERIC ED415290.

Education

1988-1991 Cleveland State University Cleveland, OH

- M.A., Curriculum and Instruction

1979-1983 College of St. Joseph Rutland, VT

- B.S., Elementary Education

Certifications

Collaborative Institutional Training Initiative (Citi Program): Completion of CITI training requirements for Investigators and staff involved primarily in Social/Behavioral Research with human subjects. Valid through 2020.

Related Professional Experience

2005-2007 Substitute Teacher Windham/Tolland County, CT Grades Pre-K-8 (Classroom, Gifted and Talented, Special Needs)

1999-2000 Classroom Teacher Windham Public Schools, CT (Long Term Substitute, Gifted and Talented)

1996-1998 Special Needs Teacher Windham Parochial Schools, CT (Grades PreK-8, Pull-out program)

1985-1991 Classroom Teacher Shaker Height Schools, OH (Special Needs Grades 2-5, Gifted Grades 5-6, Summer School Grades 4-6, Classroom Teacher Grade 6)

1979-1984 Classroom Teacher Rutland Public Schools, VT (Classroom Teacher Grades Pr-K-6, Summer School Grades K-7)

Volunteer Work

2016/2013 Project Judge History Day Regional Competitions

2015 Proposal Reader EPA EE Grants

2013 Proposal Reader USDOE Carolyn White Grants

2010-2013 Proposal Reader Connecticut State Department of Education, Interdistrict Grants

1995-2005 SFA President SMSJ Elementary School, Willimantic, CT

1994-1995 Board President Storrs Community Nursery School, Storrs, CT

Professional Associations

American Association for the Advancement of Science (AAAS)

American Evaluation Association (AEA)

American Society for Engineering Education (ASEE)

Associated Teachers of Mathematics in Connecticut (ATOMIC)

Association for Curriculum Supervision and Development (ASCD)

Connecticut Council for Social Studies (CCSS)

Connecticut Council of Science Supervisors (CCSS)

Connecticut Science Teachers Association (CSTA)

Connecticut Computer Science Teachers Association (CTCSTA)

Eastern Evaluation Research Association (EERS)

Learning Forward: The Professional Development Association

Massachusetts Association of Science Teachers (MAST)

National Association of Science Teachers (NSTA)

National Council of Teachers of Mathematics (NCTM)

New England Educational Research Organization (NEERO)

Social Media

Facebook - <https://www.facebook.com/CREUS/>

LinkedIn - <https://www.linkedin.com/in/creevaluation>

Twitter - <https://twitter.com/mattmike4>