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Morrison Family College of Health
University of St. Thomas

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PROFESSIONAL PROFILE

- ❖ Seasoned administrator who has successfully championed significant growth and development within an interdisciplinary department within the College of Arts and Sciences.
- ❖ Expert in collaborative and interdisciplinary curriculum development with a strong track-record for working with diverse groups on curricular issues.
- ❖ Recognized campus-wide leader and consultant on academic assessment at the course-, program-, college, and university-wide levels.
- ❖ Highly accomplished post-secondary educator of students pursuing careers in myriad fields, including health care and the biological sciences, education, computer science, statistics and data analytics, business, and the social sciences.
- ❖ Proven leader and creative problem solver with the ability to set goals, formulate a comprehensive yet realistic plan to reach those goals, and objectively evaluate both the process and results.

EDUCATION

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|----------|--|---|-----------|
| B.S.O.T. | Occupational Therapy Minor: Psychology | University of North Dakota Grand Forks, ND | Dec. 1998 |
| Ph.D. | Teaching and Learning: Research Methodologies & Measurement Cognate: Psychology & Sociology | University of North Dakota Grand Forks, ND | May 2005 |

Dissertation

Title: The Relationship of Social Capital to Engagement in High-Risk Behaviors by High School Students
Dissertation Advisor: Richard G. Landry, Ph.D.

HONORS & AWARDS

- ❖ **Outstanding Fieldwork Educator Award Nominee** ♦ Occupational Therapy Department, University of North Dakota ♦ Grand Forks, North Dakota ♦ 2000
- ❖ **Exceptional Faculty Service Award Recipient** ♦ Disability Support Services, University of North Dakota ♦ Grand Forks, North Dakota ♦ 2003
- ❖ **Outstanding Educator Award Recipient** ♦ Occupational Therapy Department, University of North Dakota ♦ Grand Forks, North Dakota ♦ 2003
- ❖ **Community Partner Award Recipient** ♦ Lucas County Board of Mental Retardation & Developmental Disabilities ♦ Toledo, Ohio ♦ 2006
- ❖ **Outstanding Service and Dedication to Human Subjects Research Recipient** ♦ Bowling Green State University ♦ Bowling Green, Ohio ♦ 2008

ADMINISTRATIVE EXPERIENCE

Chair of Computer and Information Sciences (CISC), University of St. Thomas, St. Paul, MN, 2016 to 2020

- ❖ CISC is an interdisciplinary department of 8.5 tenured/tenure track computer scientists, 3.5 tenured/tenure-track statisticians, and one full-time technical support staff plus 6 – 10 adjunct faculty.
- ❖ CISC supports 250+ computer science majors, 40+ statistics majors and hundreds of students pursuing majors in fields including Engineering, Mathematics and Actuarial Science, Biology and Biology of Global Health, Neuroscience and Psychology, Public Health and Exercise Science, Business and Accounting, and Data Analytics.
- ❖ Primary responsibilities of the CISC Chair include representation of CISC needs and perspectives across the university, facilitation of CISC curricular development, coordination of CISC program assessment, CISC budget management, course and faculty scheduling, pre-major advising, management of student and faculty personnel issues, facilitation of departmental initiatives and committees, coordination and facilitation of the annual CISC curriculum retreat, and annual and occasional report writing.

Assistant to the Chair of Computer and Information Sciences, University of St. Thomas, St. Paul, MN, 2014 – 2016

- ❖ This position is now called either Computer Science or Statistics Coordinator, depending on the area of expertise of the individual holding the position. The Coordinator is to have a different area of expertise than the Chair of CISC and the roles and responsibilities of this position have evolved over time.
- ❖ Primary responsibilities of the Assistant to the Chair of CISC included hiring, oversight, and evaluation of adjunct faculty with the Assistant Chair's discipline; execution of program assessment and writing the annual program assessment report; and supervision of CISC student tutors within the Assistant Chair's discipline.

STAT 220 Coordinator, University of St. Thomas, St. Paul, MN, 2012 – 2020t

- ❖ Primary responsibilities include hiring, supervision, and oversight of STAT 220 adjunct faculty, coordination of core curriculum assessment development, aggregation and analysis of assessment results, facilitation of the assessment result discussion with faculty, and writing and sharing the annual assessment report.

ACADEMIC POSITIONS & COURSES TAUGHT

Adjunct Faculty in the Graduate School of Professional Psychology, University of St. Thomas, Minneapolis, MN 2020 – Present.

- ❖ Teach doctoral course in conceptual psychometrics

Associate Professor of Computer and Information Sciences, University of St. Thomas, St. Paul, MN, 2014 – 2020

- ❖ Teach undergraduate courses in Introductory Applied Statistics, Regression Modeling, Biostatistics, Contemporary Research Design and Statistics in Environmental Health, and Statistics Capstone

Assistant Professor of Computer and Information Sciences, University of St. Thomas, St. Paul, MN, 2008 – 2014

- ❖ Taught undergraduate courses in Introductory Applied Statistics, Regression Modeling, Biostatistics, Advanced Statistical Software, Instrument Development, and Statistics Capstone

Assistant Professor of Assessment, Research, and Statistics, Bowling Green State University, Bowling Green, OH, 2005 – 2008

- ❖ Taught an undergraduate course in Assessment and Evaluation in Education
- ❖ Taught graduate courses in Statistics in Education, Research in Education, and Quantitative Methods in Leadership Studies

Graduate Teaching Assistant for Educational Foundations and Research, University of North Dakota, Grand Forks, ND, 2002 – 2003

- ❖ Taught an undergraduate course in Applied Statistics
- ❖ Taught graduate courses in Introductory Statistics, Intermediate Statistics, and Research Methods

Adjunct Professor of Occupational Therapy, University of North Dakota, Grand Forks, ND, 2001 – 2003

- ❖ Taught undergraduate courses in Quantitative Research Methods for Occupational Therapy, Qualitative Research Methods for Occupational Therapy, Personal and Professional Development, Group Leadership, and Clinical Integration and Seminar

PEER-REVIEWED RESEARCH PAPERS

- Mikuska, A., Mlinaric, S., Begovic, L., & Curran, E., (2016). Comparative efficiency of traps for horse fly (*Diptera: Tabanidae*) survey in riparian oak-ash forests in Danube floodplain. *European Journal of Entomology*, 113: 531 – 536.
- Carlson, K., Turvold-Celotta, D., Curran, E., Marcus, M. M., & Loe, M. (2016). Assessing the Impact of a Multi-Disciplinary Peer-Led Team Learning Program on Undergraduate STEM Education. *Journal of University Teaching and Learning Practice*, Vol. 13(1).
- Booth, M. Z., Frey, C. J., Collet, B. A., Curran, E., Gerard, J., & Bartimole, J. (2014). Ethnic identity, gender, and adolescent attitude toward school: Adaptive perspectives in diverse settings. *Midwestern Educational Researcher*, Vol. 26(2), 3 – 27.
- Schultz, M. M., Minarik, T. A., Martinovic-Weigelt, D., Curran, E. M., Bartell, S. E. & Schoenfuss, H. (Fall, 2013). Environmental Estrogens in an Urban Aquatic Ecosystem: II. Biological Effects. *Environment International*, Vol. 61, 138 – 149.
- Martinovic, D., Minarik, T. A., Curran, E., Marchuk, J., Pazderka, M. J., Smith, E. A., Goldenstein, R. L., Miresse, C. L., Matlon, T. J. & Schultz, M. M. (Spring, 2013). Contaminants of emerging concern in an urban aquatic ecosystem: I. Spatial and temporal occurrence of estrogenic activity in effluent-dominated systems. *Environment International*, Vol. 61, 127 – 137.
- Curran, E., Carlson, K. & Turvold Celotta, D. (2013). Changing attitudes and facilitating understanding in the undergraduate statistics classroom: A collaborative learning approach. *Journal of Scholarship of Teaching and Learning*, 13(2), 49 – 71.
- Axtell, M. & Curran, E. (2011). The effects of online homework in a university finite mathematics course. In (Eds.) S. Brown, S. Larsen, K. Marrongelle, and M. Oehrtman, *Proceedings of the 14th Annual Conference on Research in Undergraduate Mathematics Education*, Vol. 1, 16 – 24.
- Novak, J., Murray, M., Scheuermann, A. & Curran, E. (2009). Enhancing the preparation of special educators through service learning: Evidence from two preservice courses. *International Journal of Special Education*, 24(1), 32 – 44.
- Curran, E. & Murray, M. M. (2008). Transformative learning in teacher education: Building competencies and changing dispositions. *Journal of Scholarship of Teaching and Learning*, 8(3), 103 – 118.
- Murray, M. M. & Curran, E. (2008). Learning together with parents of children with disabilities: Bringing parent-professional partnership education to a new level. *Teacher Education and Special Education*, 31(1), 59 – 63.
- Murray, M. M., Curran, E. & Zellers, D. (2008). Building parent/professional partnerships: An innovative approach for teacher education. *The Teacher Educator*, 43(2), 87 – 108.
- Curran, E. (2007). The relationship between social capital and substance use by high school students. *Journal of Alcohol and Drug Education*, 51(2), 59 – 73.

PEER-REVIEWED PRESENTATIONS

- Curran, E., Carter, C., & Martinovic-Weigelt, D. (2019, May 26 – 30). *Prioritization of Environmental Contaminants in Aquatic Ecosystems: A Partial Least Squares Approach*. Presentation at the 14th Annual International Symposium on the Environment in Athens, Greece.
- Curran, E., Carter, C., & Martinovic-Weigelt, D. (2019, March 21 – 23). *Prioritization Of Environmental Contaminants in Aquatic Ecosystems: A Partial Least Squares Approach*. Presentation at the 27th Annual Meeting of the Midwest SETAC in La Crosse, Wisconsin.
- Martinovic-Weigelt, D., Curran, E., Imamura, B., Lai, C., & Yuyu He, M. (2018, May 13 – 17). *Integrating chemical monitoring data with high-content effects data to prioritize contaminants and hazards in chemical mixtures*. Spotlight Presentation and Poster at the 28th Annual Meeting of SETAC Europe in Rome, Italy.
- Zhao, K., Lai, C., Curran, E., Imamura, B., & Martinovic-Weigelt, D. (2017, November 12 – 16). *Integrating chemical monitoring and bio-effects data to prioritize contaminants in Minnesota streams*. Poster Presentation at the 38th Annual Meeting of SETAC North America in Minneapolis, MN.
- Curran, E. & Martinovic, D. (2017, July 7 – 11). *Facilitating Understanding of Health Environments and Outcomes*. Paper presentation at the 2017 International Consortium on Social Development in Zagreb, Croatia.
- Domine, L. M., Novacyzk, Z. B., Curran, E., Rohlf, M., & Jarvis, P. (2016, June 5 – 10). *Capturing Spatial Heterogeneity of Methane Emissions of Prairie Pothole Shallow Lakes*. Paper presented at the 2016 *Association for the Sciences of Limnology and Oceanography* annual meeting. Santa Fe, New Mexico.
- Curran, E. M., Carlson, K., & Turvold-Celotta, D. (2015, May 28 - 30). *Connecting students through peer-facilitated learning communities*. Research presentation and collaboration-based breakout session, US Conference on Teaching Statistics: *Making Connections*.
- Curran, E., Loe, M., Marcus, M., Turvold-Celotta, D., & Carlson, K. (2014, February 20 - 23). *Connecting, Learning, and Looking Ahead: The impact of a STEM learning community program at a liberal arts university*. Paper Presentation, 2014 Annual Lilly Conference on College and University Teaching.
- Curran, E. & Turvold-Celotta, D. (2012, October 24 - 27). *Learning communities in undergraduate statistics: A collaborative problem-solving approach to learning*. Poster Presentation, International Society for the Scholarship of Teaching and Learning.
- Curran, E., Loe, M., Marcus, M., Turvold-Celotta, D., & Carlson, K. (2011, October 20 - 23). *Teaching and Learning in Undergraduate STEM Education: The Impact of Peer-Led Team Learning*. Paper Presentation, International Society for the Scholarship of Teaching and Learning.
- Curran, E., Loe, M., Marcus, M., Turvold-Celotta, D., & Carlson, K. (2011, May 20 – 22). *The Impact of Peer-Facilitated Learning Communities on Teaching and Learning in STEM Disciplines*. Poster Presentation, The Teacher Professor.
- Booth, M. Z., Gerard, J., Frey, C., Bartimole, J., & Curran, E. (2011, May 1 – 5). *Liberation or Marginalization: An Investigation of Adolescent Ethnic Identity and Youth Connectedness to School*. Paper Presentation, Comparative and International Education Society.
- Axtell, M. & Curran, E. (2011, February 24-27). *The Effects of Online Homework in a University Finite Mathematics Course*. Paper Presentation, Research in Undergraduate Mathematics.
- Murray, M., Dimling, L., Curran, E., Snyder, V., Braden, T., Noble, R. & Titus, T. (2010, October 14 - 17). *Learning Together with Parents: A Reality-Based Community Parent-Professional Partnership Model*. Paper Presentation, The Division of Early Childhood.

- Curran, E., Axtell, M. & Hosford, C. (2009, October 22 - 25). *Factors Impacting Student Performance in Introductory Calculus and Statistics Courses*. Paper Presentation, International Society for the Scholarship of Teaching and Learning.
- Curran, E. & Murray, M. (2009, October 22 - 25). *Building Competencies and Changing Dispositions in Teacher Education*. Paper Presentation, International Society for the Scholarship of Teaching and Learning.
- Curran, E. & Murray, M. (2008, October 16 - 19). *Transformative learning in teacher education: Building competencies and changing dispositions*. Paper Presentation, International Society for the Scholarship of Teaching and Learning.
- Booth, M. Z. & Curran, E. (2008, March 24 - 28). *I feel so confused: A longitudinal study of adolescent change in self-esteem and self-concept during the middle grades*. Paper Presentation, American Educational Research Association.
- Curran, E. M. & Matuga, J. M. (2007, April 9 - 13). *The Relationship between Social Capital, Alcohol Use, and Gender for High School Students*. Paper Presentation, American Educational Research Association.
- Curran, E. M. & Murray, M. M. (2006, November 9-12). *Transforming Students into Professionals: The Impact of Parents of Children with Disabilities on a Special Education Classroom*. Paper Presentation, International Society for the Scholarship of Teaching and Learning.
- Murray, M., Christensen, K., Curran, E. M., & Snyder, V. (2006, October 19-22). *Innovative Strategies Involving Families and Community Agencies in Early Childhood Special Education Personnel Preparation*. Paper Presentation, Division of Early Childhood, Council for Exceptional Children.
- Curran, E. M. (2006, October 11-14). *The Relationship of Social Capital to Substance Use by High School Students*. Paper Presentation, MidWestern Educational Research Association.

SELECT FACULTY SERVICE EXPERIENCE

Computer and Information Sciences Department

Statistics Program Advisory Board Member, University of St. Thomas, 2008 - 2020

- ❖ As a Statistics Advisory Board member, I meet as needed with the board to discuss proposed changes to the curriculum and enrollments. As Chair of CISC, I have facilitated a great many statistics program curricular revisions through the curriculum review process.

BS in Computer Science Major Development Committee, University of St. Thomas, 2014 - 2016

- ❖ In my role as Chair of CISC, I facilitated the development of the new curriculum as well as submission of the curriculum proposal to CAS, the UCC, and the State of MN for approval.

Science Scholarship Committee, University of St. Thomas, 2010 - 2015

- ❖ In this role, I served as the CISC representative and coordinated the Computer Science examination and CISC open house for Science Scholarship Day. I also co-chaired this committee from 2012 - 2013.

College of Arts & Sciences

Data Analytics Program Advisory Board Member, University of St. Thomas, 2018 - 2020

- ❖ I currently serve as the statistics representative on the advisory board. I was intimately involved in the development of the program charter and currently facilitate the development of assessment policies and processes for the program. Furthermore, members of this committee meet at least monthly to discuss proposed changes to the DA curriculum, enrollments, and student recruitment strategies.

BS in Data Analytics Major Development Committee, University of St. Thomas, 2017 - 2018

- ❖ I was one of the founders of the BS in Data Analytics, an interdisciplinary major, at UST. My role in the development of this major was to represent the statistics curriculum of the major and to work collaboratively

with the other curriculum representatives to develop the program. Furthermore, I shepherded this major through the curriculum approval process at UST.

- ❖ The BS in Data Analytics began enrolling students in Fall 2018.

Minor in Data Analytics Development Committee, University of St. Thomas, 2016 – 2018

- ❖ This committee, including representatives from the College of Arts and Sciences and Opus College of Business, developed and received approval for an interdisciplinary curriculum for minors in Data Analytics.

Faculty Learning Community for Hybrid and Online Learning in STEM Education, University of St. Thomas 2017 – 2018

- ❖ I co-facilitated a Faculty Learning Community (FLC) on hybrid and online learning in STEM disciplines. Our FLC was devoted to reading about and understanding the online learner, developing learning goals and expectations for the online environment, curating resources and organizing course content for an online STEM course, and effectively facilitating and assessing learning in an online environment.

Post-Baccalaureate Health Professions Program Advisory Committee, University of St. Thomas, 2014 – 2015

- ❖ As a member of this advisory committee, I helped the College of Arts and Sciences to investigate and understand the potential for a post-baccalaureate health professions program at UST.

STEM Learning Community, University of St. Thomas, 2010 - 2015

- ❖ I was a founder of the STEM Learning Community Program at UST. Our program aimed to enhance the engagement and retention of students in STEM programs. Through CAS Dean's Office Support, we developed a program for training and supporting peer facilitators in various STEM courses.
- ❖ After the initiation of the program, I continued my involvement as a CISC Department Liaison for peer facilitators in statistics. In this role, I developed learning community activities and provided weekly mentorship and consultation to peer facilitators throughout the academic year.

Global Health Program Advisory and Planning Committee, University of St. Thomas, 2012 – 2014

- ❖ My role on this committee was to provide consultation regarding appropriate quantitative coursework within the Global Health Program.

University of St. Thomas

Core Curriculum Assessment Review Committee, University of St. Thomas, 2015 - Present

- ❖ This expert committee, chaired by Dr. Lisa Waldner, is charged with reviewing core curriculum assessment plans and results throughout the academic year. I am an active and contributing member of this committee.

UST Assessment Consultant, University of St. Thomas, 2015 - Present

- ❖ In this role for the Office of Accreditation and Assessment, I work with peer departments to design and execute assessment protocols that will yield meaningful insights into student learning and curricular cohesiveness.

Emerging Leaders Cohort, University of St. Thomas, 2019

- ❖ Through this leadership development program, I was an active participant in numerous leadership development seminars. Moreover, I was a member of an interdisciplinary team working with Michelle Thom, Associate Vice President of Human Resources, to develop an internal consulting model and database at UST.

UST Transfer Credit Evaluation Process Committee, University of St. Thomas, 2017 - 2019

- ❖ This expert committee, led by Dr. Wendy Wyatt, was charged with reviewing and providing feedback on the transfer credit process and policy for pre- and post-matriculation students at UST.

Higher Learning Commission (HLC) Assurance Argument Team, Criterion 4 Response, University of St. Thomas, 2017 – 2018

- ❖ I drafted, along with Dr. Tonia Bock, the University's response to *Criterion 4, Teaching and Learning: Evaluation and Improvement* of the Higher Learning Commission's assurance document. The response to Criterion 4 was particularly important in evaluation of USTs accreditation status with the HLC.

Health Professions Advisory Committee, University of St. Thomas, 2012 – 2015

- ❖ As a member of this committee, I participated in the review of portfolios as well as numerous mock-interviews with students seeking to attend medical school. Additionally, I drafted letters of recommendation for medical school as requested.

Institutional/Human Subjects Review Board Member at the University of St. Thomas (2016), Bowling Green State University (2006 – 2008), and the University of North Dakota (2002 – 2005)

- ❖ As a review board member, I reviewed numerous exempt, expedited, and full board research proposals in myriad fields, including the medical and health sciences.

PROFESSIONAL WORK EXPERIENCE IN THE HEALTH SCIENCES

Polk County Public Health, Crookston, MN (March 2000 to July 2002)

- ❖ Position: **Community Organizer and Research Assistant**
- ❖ Responsibilities: Conduct and analyze survey research regarding substance use and abuse patterns in rural communities in Polk County, MN. Design effective community-based intervention strategies based on data collected and identified best practices. Partner with parents, school systems, local governments, and area businesses, to implement community-based intervention strategies and preventative education. Evaluate the effectiveness of those interventions.

Northwestern Mental Health Center, Crookston, MN (March 1999 to March 2000)

- ❖ Position: **Occupational Therapist**
- ❖ Responsibilities: Design and provide appropriate psychosocial occupational therapy intervention, as part of a multidisciplinary team, for individuals with severe and persistent mental illness in order to promote maximum independent functioning within the community.

Bethesda Rehabilitation Hospital, St. Paul, MN (December 1998 to March 1999)

- ❖ Position: **Occupational Therapist**
- ❖ Responsibilities: Design and provide appropriate inpatient and outpatient rehabilitative occupational therapy intervention, as part of a multidisciplinary team, for individuals with a variety of physical, cognitive, and emotional disabilities.