RESEARCH STATEMENT

My research focuses on designing, building, and studying interactive systems that guide work-related attention. My work takes inspiration from cognitive science, occupational health psychology, mixed-initiative systems, and human-computer interaction.

EDUCATION

University of Waterloo, 2020 (expected)

Middle Tennessee State University, 2015
Master of Science, Computer Science  Thesis: Computationally Accelerated Papyrology

Middle Tennessee State University, 2013
Bachelor of Science, Computer Science

RESEARCH EXPERIENCE

Microsoft Research, Redmond, WA  Summer 2019
Research Intern, Knowledge Technologies and Intelligent Experiences Group  with: Ryen White

Microsoft Research, Redmond, WA  Summer 2018
Research Intern, Information and Data Sciences Group  with: Adam Fournery, Ryen White, Jaime Teevan, and Shamsi Iqbal

Microsoft Research, Redmond, WA  Summer 2017
Research Intern, AI + Microproductivity Research Group  with: Jaime Teevan and Shamsi Iqbal

Research Scientist, Faculty of Classics  with: James Brusuelas and Dirk Obbink

Oak Ridge National Laboratory, Oak Ridge, TN  Summer 2013
Research Intern, Computational Sciences and Engineering Division  with: Georgia Tourassi

Oak Ridge National Laboratory, Oak Ridge, TN  Summer 2012
Research Intern, Computational Sciences and Engineering Division  with: Georgia Tourassi

Middle Tennessee State University, Murfreesboro, TN  Fall 2013
Research Assistant, Center for Computational Science

PUBLICATIONS

REFEREEED CONFERENCE PUBLICATIONS


**JOURNAL PUBLICATIONS**


**WORKSHOP & POSTER PAPERS**


**TEACHING EXPERIENCE**

**University of Waterloo**, Waterloo, ON 2015 – present

*Graduate Teaching Assistant, School of Computer Science*

- **Instructor**: CS349: User Interfaces (Winter 2017)
- **Instructor**: CS798: AI, Law, and Policy (Fall 2017; Fall 2018)
- **Instructional Apprentice**: CS349: User Interfaces (Fall 2016; Winter 2019)
- **Teaching Assistant**: CS349: User Interfaces (Winter 2016; Spring 2016)

**University of Victoria**, Victoria, BC 2016 – present

*Workshop Instructor, Digital Humanities Summer Institute*

- **Instructor**, Crowdsourcing as a Tool for Research and Public Engagement (Summer 2016; 2017)

**Middle Tennessee State University**, Murfreesboro, TN 2013 – 2015

*Graduate Teaching Assistant, Department of Computer Science*

- **Instructor**, CSCI 1150: Computer Science Orientation (Spring 2015)
- **Instructor**, CSCI 3130: Introduction to Computer Architecture (Fall 2013; Spring 2014)
- **Grader**, CSCI 3160: Introduction to Assembly Language (Fall 2013)

**Middle Tennessee State University**, Murfreesboro, TN 2012 – 2013

*Computer Science Tutor, Department of Computer Science*

**HONORS, AWARDS, and ACHIEVEMENTS**

2017 – **Cheriton Type II Scholarship**, School of Computer Science, University of Waterloo

2016 – **Vanier Graduate Scholarship Competition**, National Finalist

2016 – **CSST Summer Research Institute, Selected Ph.D. Participant**

2015 – **GO-Bell Scholarship**, School of Computer Science, University of Waterloo

2015 – **International Doctoral Student Award**, School of Computer Science, University of Waterloo

2015 – **Paul Hutcheson Outstanding Graduate Student Scholarship**, MTSU

2013 – **Chester and Mary Martin Graduate Scholarship**, MTSU ($500.00)

2013 – **1st Place**, Deloitte’s iOS and Android Mobile Application Design Competition ($3000.00)

2013 – **3rd Place**, MTSU ACM Programming Competition

2013 – **3rd Place**, MTSU Scholar’s Week Poster Session

**SERVICE**

- **Session Chair**: HCOMP 2015
- **Program Committee**: HCOMP 2017; GroupSight 2017

**FUNDING**

**Waterloo Citizen Science Laboratory: Infrastructure Project Funding** (2016)

Co-authored with E. Law & M. Schaekermann. **$144,703 awarded via Canadian Foundation for Innovation**

**Fragmentary Papyrus Identification Using Genetic Sequence Alignment Algorithms** (2013)

Co-authored with Hyrum Carroll. **$7,800 awarded via Middle Tennessee State University FRCAC Grant**
DEPARTMENTAL SERVICE

2018 – Graduate Rep., School Advisory Committee on Appointments (SACA), University of Waterloo
2013 – Undergraduate Rep., Student Advisory Board, MTSU Department of Computer Science