

**EDUCATION**

- Ph.D. Computer Science, George Mason University, 2020  
*Distinguished Academic Achievement Award (Departmental)*
- M.S. Computer Science, George Mason University, 2012  
*Distinguished Academic Achievement Award (Departmental)*
- B.S. Computer Science, University of Maryland University College, 2007, *Cum Laude*
- A.A. General Studies, Anne Arundel Community College, 2004, *Summa Cum Laude*

**TEACHING EXPERIENCE**

2015-Present, *Assistant Professor (2021-Present), Instructor (2015-2021)*, George Mason University, Fairfax, VA

CS 112. Introduction to Computer Programming [*Mason Core – IT&C*]

CS 211. Object Oriented Programming

CS 310. Data Structures

CS 321. Software Engineering / Software Requirements and Design Modeling [*WAC Course*]

CS 390. Research and Project Design Principles in Computing [*OSCAR Inquiry Level Course*]

CS 583. Analysis of Algorithms [*Graduate*]

INFS 519. Program Design and Data Structures [*Graduate*]

2014-2015, *Adjunct Faculty*, George Mason University, Fairfax, VA

2009–2013, *Graduate Teaching Assistant*, George Mason University, Fairfax, VA

2006–2007, *Computer Science Tutor*, Anne Arundel Community College, Arnold, MD

**Teaching Awards and Honors**

*Teacher of Distinction*, Stearns Center for Teaching and Learning, George Mason University, 2020

*Outstanding Teaching Award*, Department of CS, George Mason University, 2020

*Outstanding Graduate Teaching Award*, Department of CS, George Mason University, 2013

*Distinguished Graduate Teaching Award*, Department of CS, George Mason University, 2012

[*Finalist*] *Teaching Excellence Award*, Stearns Center for Teaching and Learning, George Mason University, 2020

**PROFESSIONAL EXPERIENCE**

2013–2015, *Senior Developer (2014-2015), Developer (2013-2014)*, Forum One, Alexandria, VA

Website development (JS & CMS) for large government agencies and nonprofit companies.

2010–2011, *Graduate Research Assistant*, George Mason University, Fairfax, VA

NLP module development for cognitive assistants and argument evaluation software.

2004–2010, *Full Stack Web Developer*, eMcDermott/BONZOLIO, Oceanside, CA

L/WAMP+JS/CSS website development and eCommerce stores for various companies.

2004–2009, *Web and Support Developer*, PICnet, Washington, D.C.

CMS website development and extension for nonprofit companies.

**ACADEMIC SERVICE AND UNIVERSITY INVOLVEMENT**

***Faculty Development (George Mason University):***

*CS SIMPLE Teaching Group*, Coordinator (2017-present), Member (2015-2017)

Faculty teaching group designed to help faculty make small, incremental changes to their teaching. Also provides mentoring and support for new faculty.

NSF IUSE Project (1821589), *Interdepartmental*, Participant/Contributor, 2020-2021

Course-Based Community of Transformation (CCT) project for Improving Undergraduate STEM Education (IUSE) with teachers in Engineering, Math, and other Scientific Disciplines. Presentation: “Motivating Students to Come to Class”.

***Department Service (Computer Science, George Mason University):***

*Course Coordinator*, Various semesters from 2016-present

Primary course coordinator for multi-instructor sections with large graduate and undergraduate teach assistant populations (typically 10-25 people).

*Undergraduate Faculty Advisor*, 2016-present

Advising incoming and returning students on their degree progress, plans of study, future career plans, working in industry, resume development, and life in general.

*Undergraduate Studies Committee*, Member, 2015-present

Curriculum design, planning, and approval for the undergraduate degree programs.

Other Committee and Support Work:

*Term Faculty Recruitment and Hiring Committee*, Member, 2017-2018

*Course Re-Development*, CS531: Fundamentals of Systems Programming, Fall 2018

*New Course Development*, CS390: Research and Project Design Principles, Fall 2012

*Website Committee*, Member, 2017-2020

***University Service (George Mason University):***

Office of Student Scholarship, Creative Activities, and Research. *Student Scholarly Activities Committee*, Member, 2018-2020

Review and approval of applications for the Undergraduate Research Scholars Program (URSP) and Undergraduate Student Travel Fund (USTP).

***Other Mentoring & Club Involvement:***

*RoboPatriots Team*, Graduate Student Member, George Mason University, 2010–2012

*GMU Kendo Club*, Club Mentor, George Mason University, Fall 2010

*Japanese Language Club*, Club Mentor, Anne Arundel Community College, 2005–2009

**PUBLICATIONS****Conference and Workshop Papers:**

- (1) Russell, K., Simon, R. *Efficient Data Advertisement in Information Centric Disruption Tolerant Networks*. In Proceedings of the 2020 International Workshop on Computing, Networking and Communications, Kailua-Kona, Hawai'i, February 2020.
- (2) Russell, K., Simon, R. *Evaluation of a Geo-region Based Architecture for Information Centric Disruption Tolerant Networks*. In Proceedings of the 2019 International Conference on Computing, Networking and Communication, Honolulu, Hawai'i, February 2019.
- (3) Luke, S., Russell, K., Hoyle, B. *Ant Geometers*. In Proceedings of the Fifteenth International Conference on the Synthesis and Simulation of Living Systems, Cancun, Mexico, July 2016.
- (4) Russell, K., Schader, M., Andrea, K., Luke, S. *Swarm Robot Foraging with Wireless Sensor Motes*. In Proceedings of the 14th International Conference on Autonomous Agents and Multiagent Systems, Istanbul, Turkey, May 2015.
- (5) Sullivan, K., Russell, K., Andrea, K., Stout, B., Luke, S., *RoboPatriots: GMU 2012 RoboCup Team*. In Proceedings of the 2012 RoboCup Workshop, Mexico City, Mexico, June 2012.
- (6) Tecuci, G., Marcu, D., Boicu, M., Schum, D., Russell K., *Computational Theory and Cognitive Assistant for Intelligence Analysis*, in Proceedings of the Sixth International Conference on Semantic Technologies for Intelligence, Defense, and Security, pp. 68-75, Fairfax, Virginia, USA, November 2011.
- (7) Tecuci, G., Schum, D., Boicu, M., Marcu, D., Russell, K., *Toward a Computational Theory of Evidence-based Reasoning*, 18th International Conference on Control Systems and Computer Science, University Politehnica of Bucharest, Bucharest, Romania, May 2011.

**Research Reports & Other Written Publications:**

- (8) Luke, S. and Russell, K. *Portable Sensor Motes as a Distributed Communication Medium for Large Groups of Mobile Robots*. Specialists Meeting on Swarm Centric Solution for Intelligent Sensor Networks (SET-222), Rome, Italy, June 2016,
- (9) Russell, K., *Computer Abduction*. Research Report 10, Learning Agents Center, George Mason University, October 2013.
- (10) Tecuci, G., Boicu, M., Schum, D., Marcu, D., Russell, K., *Disciple Cognitive Assistants for Complex Decision Making under Uncertainty*. Research Report 6, Learning Agents Center, George Mason University, April 2011.

**Additional Presentations & Posters:**

- (11) [Poster] *Named Data Networking for Scalable Intermittently Connected Networks*. Named Data Networking Community Meeting, Gaithersburg, Maryland, USA, September 2019.
- (12) [Poster] *Pheromone-based Task Swarms*. 2016 PhD CS Research Symposium, Fairfax, Virginia, USA, March 2016.