

MICHAEL S. SAUGSTAD

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EDUCATION

University of Maryland, College Park, College Park, MD
M.S. in Computer Science May 2018
GPA: 4.0

Vassar College, Poughkeepsie, NY
B.A. in Mathematics, Computer Science May 2016
GPA Overall: 3.79 Majors: 3.86

RELEVANT EXPERIENCE

Research Assistant June 2016 - Present
University of Maryland Computer Science Department, College Park, MD
- Working with Prof Jon Froehlich on Project Sidewalk, an online tool for large-scale virtual auditing of urban accessibility
- Leading analytics & data analysis for the project
- Coauthored an accepted poster submission to ASSETS 2018
- Mentor undergraduate and highschool students working on the project

Teaching Assistant Aug 2016 - May 2017
University of Maryland Computer Science Department, College Park, MD
- Mentored and assisted 75 students with Java and OOP concepts.
- Evaluated exams and assignments for correctness and programming style.

Research Assistant Jan 2015 - May 2016
Vassar College Computer Science Department, Poughkeepsie, NY
- Implemented reactive indoor navigation using dynamical systems
- Integrated existing Python code base into the ROS ecosystem
- Redesigned robot's vision to utilize Kinect depth sensor

Research Intern - Quality of Life Technology NSF REU May 2015 - Aug 2015
Carnegie Mellon University Robotics Institute, Pittsburgh, PA
- Developed software for socially acceptable autonomous robot navigation
- Created & presented poster: "Smooth Side By Side Navigation for Escort Robot"

Programming Instructor June 2014 - Aug 2014
iD Tech Camps at MIT, Boston, MA
- Taught courses in game design and Java to 6-13 year olds

COMPUTER SKILLS

Proficient: R, Python, Scala, Java, C++, Javascript, Postgres, SQL, LaTeX, ROS, Linux
Familiar: Haskell, OpenMP, MPI, Play, C/UPC, Scheme, Assembly, Occam-Pi, Prolog

AWARDS AND LEADERSHIP

Recipient, Dean's Fellowship, Dept of Computer Science, UMD Aug 2016
Recipient, Janet Holdeen-Adams Prize, Dept of Computer Science, Vassar May 2016
Co-chair, Computer Science Majors Committee, Vassar Sept 2014 - May 2015
Captain and Treasurer, Quidditch Team, Vassar Sept 2013 - May 2014
Co-founder, Quidditch Program – Parks & Recreation Dept, Waukesha, WI June 2013 - Aug 2013