MICHAEL S. SAUGSTAD

saugstad@cs.umd.edu | (262) 751-5697 | linkedin.com/in/michaelsaugstad

EDUCATION

University of Maryland, College Park, College Park, MD
Ph.D. in Computer Science   May 2021
GPA: 4.0

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

RELEVANT EXPERIENCE

Computer Science Teaching Assistant   Aug 2016 - Present
University of Maryland Computer Science Department, College Park, MD
- Mentor and assist 75 students with Java and OOP concepts.
- Evaluate exams and assignments for correctness and programming style.

Computer Science 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 to reliably detect people, estimate their position and velocity,
  and autonomously move in socially acceptable ways alongside them
- Wrote a draft of a conference paper (not published)
- Created and presented a poster: "Smooth Side By Side Navigation for Escort Robot"

Computer Science Teaching Assistant   Sept 2013 - Dec 2014
Vassar College Computer Science Department, Poughkeepsie, NY
- Assisted 30 students in beginner to intermediate courses in Java and Scheme

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
- Prepared daily lesson plans and taught classes of 4-8 students

COMPUTER SKILLS

Proficient: Python, Java, R, C++, LaTeX, ROS, Ubuntu, Windows
Familiar: C/UPC, Scheme, Assembly, Haskell, 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
Treasurer, Mathematics 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