

MICHAEL S. SAUGSTAD

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EDUCATION

University of Maryland, College Park, College Park, MD

Ph.D. in Computer Science

GPA: 4.0

Sept 2016 - Present

Vassar College, Poughkeepsie, NY

B.A. in Mathematics, Computer Science

GPA Overall: 3.79 Majors: 3.86

Sept 2012 - May 2016

RELEVANT EXPERIENCE

Computer Science Teaching Assistant

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.

Aug 2016 - Present

Computer Science Research Assistant

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

Jan 2015 - May 2016

Research Intern - Quality of Life Technology NSF REU

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"

May 2015 - Aug 2015

Computer Science Teaching Assistant

Vassar College Computer Science Department, Poughkeepsie, NY

- Assisted 30 students in beginner to intermediate courses in Java and Scheme

Sept 2013 - Dec 2014

Programming Instructor

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

June 2014 - Aug 2014

COMPUTER SKILLS

Proficient: Python, Java, R, C++, LaTeX, ROS, Ubuntu, Windows

Familiar: C/UPC, Scheme, Assembly, Haskell, Occam-Pi, Prolog

AWARDS AND HONORS

Dean's Fellowship, Department of Computer Science, UMD

Aug 2016

Janet Holdeen-Adams Prize, Department of Computer Science, Vassar

May 2016

ACTIVIES AND LEADERSHIP

Treasurer , Mathematics Majors Committee, Vassar	Sept 2014 - May 2015
Co-chair , Computer Science Majors Committee, Vassar	Sept 2014 - May 2015
Representative , Board of Elections and Appointments, Vassar	Sept 2014 - May 2015
Student , Logic and Formal Epistomology Summer Program, CMU	May 2014 - June 2014
Captain and Treasurer , Quidditch Team, Vassar	Sept 2013 - May 2014
Co-founder , Quidditch Program – Parks & Recreation Dept, Waukesha, WI	June 2013 - Aug 2013