

# 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 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

**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 a robot to reliably detect people, estimate their position and velocity, and autonomously move in socially acceptable ways alongside them
- Created & presented poster: "Smooth Side By Side Navigation for Escort Robot"

**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

## COMPUTER SKILLS

Proficient: Python, Java, R, C++, LaTeX, ROS, Ubuntu, Windows  
Familiar: C/UPC, Scheme, Assembly, Haskell, Occam-Pi, Prolog

## AWARDS AND LEADERSHIP

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