

# 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
- 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: Scala, Javascript, PostgreSQL, SQL, R, Python, Java, C++, LaTeX, ROS, Linux  
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  
**Captain and Treasurer**, Quidditch Team, Vassar Sept 2013 - May 2014  
**Co-founder**, Quidditch Program – Parks & Recreation Dept, Waukesha, WI June 2013 - Aug 2013