

# MICHAEL S. SAUGSTAD

saugstad@cs.umd.edu | (262) 751-5697 | github.com/misaugstad

## 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 and Statistics, 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