

# MICHAEL S. SAUGSTAD

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## EDUCATION

**University of Maryland, College Park**, College Park, MD

Ph.D. in Computer Science

GPA: 4.0

May 2021

**Vassar College**, Poughkeepsie, NY

B.A. in Mathematics, Computer Science

GPA Overall: 3.79 Majors: 3.86

May 2016

## 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 code 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: Scheme, C/UPC, Ruby/Rinda, Assembly, Haskell, Occam-Pi, Prolog

## AWARDS AND LEADERSHIP

**Prize Recipient**, Janet Holdeen-Adams Prize for Excellence in Computer Science at Vassar College, Poughkeepsie, NY

May 2016

**Co-chair**, Vassar Computer Science Majors Committee, Poughkeepsie, NY

Sept 2014 - May 2015

**Treasurer**, Vassar Mathematics Majors Committee, Poughkeepsie, NY

Sept 2014 - May 2015

**Captain and Treasurer**, Vassar Quidditch Team, Poughkeepsie, NY

Sept 2013 - May 2014

**Co-founder**, Quidditch Program – Parks & Recreation Dept, Waukesha, WI

June 2013 - Aug 2013