

MICHAEL S. SAUGSTAD

michaelssaugstad@gmail.com | (262) 751-5697 | linkedin.com/in/michaelsaugstad

RELEVANT EXPERIENCE

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

- Mentored and assisted 30 students with labs and coursework
- Worked beginner to intermediate level courses in Java and Scheme/Racket

Programming Instructor

June 2014 - Aug 2014

iD Tech Camps at MIT, Boston, MA

- Taught courses in game design to 6-12 year olds and courses in Java to 13-17 year olds, ensuring that students reach set curriculum goals
- Prepared daily lesson plans and taught classes of 4-8 students

EDUCATION

University of Maryland, College Park, College Park, MD

Ph.D. in Computer Science

May 2021

Vassar College, Poughkeepsie, NY

B.A. in Mathematics, Computer Science

G.P.A. Overall: 3.79 Majors: 3.86

May 2016

COMPUTER SKILLS

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

Familiar: 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

Junior Rep, Vassar Board of Elections & Appointments, Poughkeepsie, NY

Sept 2014 - May 2015

Captain and Treasurer, Vassar Quidditch Team, Poughkeepsie, NY

Sept 2013 - May 2014

Co-founder, Quidditch Instruction Program – Parks and Recreation

June 2013 - Aug 2013

Department, Waukesha, WI