

Mycal Tucker
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Academics

- MIT Masters in Computer Science *Cambridge, MA*
 - o Researching natural language robotics with Professor Nick Roy (nickroy@csail.mit.edu)
- MIT undergraduate class of 2015 *Cambridge, MA*
 - o 4.9/5.0 GPA
 - o Double Major: Computer Science, Aeronautical and Astronautical Engineering

Work and Project Experience

- Co-investigator of quadrotor collision avoidance *Fall 2014-Spring 2015*
 - o Extended uncertainty-planning PhD thesis to quadrotors
 - o Experimentally investigated collision rates of probabilistic motion planners
- Developer Intern at Sumo Logic *Summer 2014*
 - o Designed and implemented authentication protocol
- Technical Intern at Yahoo! Finance *Summer 2013*
 - o Analyzed user engagement on Yahoo! Finance website
- Research assistant at MIT Interactive Robotics Group *Summer 2012-Spring 2013*
 - o Learned MATLAB, Simulink, and control theory
 - o Led project to simulate robot dynamics in MATLAB and Simulink
 - o Reported to Professor Julie Shah (julie_a_shah@csail.mit.edu)

Knowledge of Programming

- Proficient in Java, Scala, Python, MATLAB, Simulink
- Familiar with C++, Julia, Apache Pig, Git, SVN
- Learning R on own

Other Information

- Captain of the MIT Varsity Men's Lightweight Crew Team
- Member of Tau Beta Pi and Eta Kappa Nu
- Winner of the Morsa prize "for ingenuity and initiative in the application of computers to the field of Aeronautics and Astronautics"
- Secretary, Alumni Relations chair, and Literary chair for my Independent Living Group
- Familiar with Agile development
- Fluent in French, fair at Chinese (Mandarin) and Spanish
- Dual citizen with France and United States
- Got 5's on AP Tests in Calculus BC, Computer Science, US History, Statistics, Latin, and Physics C
- Published in Menlo Round Table, a journal of student research and writing selected by faculty