mycal@mit.edu                    650-690-6454                    14 Oak St. Apt. 1, Somerville, MA, 02143

# Mycal Tucker

## Education

### Candidate for Masters of Engineering in Computer Science                    Aug 2015 — Present
Massachusetts Institute of Technology

Researching human-robot dialog in the Robust Robotics Group

### Bachelors of Science                    Aug 2011 — Jun 2015
Massachusetts Institute of Technology

Double major in Computer Science and Aeronautical and Astronautical Engineering (4.9/5.0 GPA)

## Research and Work Experience

### Massachusetts Institute of Technology *(Cambridge, MA)*                    Aug 2014 — Jun 2015
Student Researcher

Designed experimental research project in collaboration with MIT faculty
Extended motion planner that take uncertainty into account for quadrotor flight
Presented and wrote award-winning final report explaining background, procedure, and results

### Sumo Logic *(Redwood City, CA)*                    Jun 2014 — Aug 2014

Backend Developer Intern

Wrote production code in Core Platform Engineering team
Designed and implemented access control system for sensitive log data
Added single sign-on feature backend capability

### Yahoo! *(Sunnyvale, CA)*                    Jun 2013 — Aug 2013

Data Analyst Intern

Investigated user interaction with Yahoo! Finance to motivate new web design
Wrote Apache-Pig scripts to query user data
Presented results to Yahoo! VP in charge of Finance

### Massachusetts Institute of Technology *(Cambridge, MA)*                    Jun 2012 — Jun 2013

Student Researcher

Launched autonomous mobile robot assistant project at the Interactive Robotics Group
Modeled robot in Simulink and designed PID controller
Integrated model and control with real robot and test rig

## Awards and Honor Societies

Winner of departmental Morsa Prize "for ingenuity and initiative in the application of computers to the field of Aeronautics and Astronautics"
Member of Tau Beta Pi (engineering honor society) and Eta Kappa Nu (computer science honor society)

## Teaching and Leadership Positions

Captain of Lightweight Men's Varsity Crew Team
Teaching Assistant for Introduction to Artificial Intelligence
Peer tutor via Eta Kappa Nu for Mathematics for Computer Science

## Skills

**Computer Science:**
Fluent with Java, Scala, Python, Matlab, Simulink
Familiar with C++, Julia
**Languages:**
Fluent in French
Fair at Mandarin, Spanish