

## Work Experience

- 2014–2015 **Software Engineer, *Apple***
- Maintained a library that analyzes test data from a cluster of iOS and OS X devices
  - Reduced memory consumption of analytics to a fraction of the original value by utilizing lazy loading and multiprocessing
  - Created a web app for an Apple CI system that tracks the results of each commit to a project and presents analyzed results to end users
  - Part of a team that created an auto-triage system that analyzes logs to triage errors, presenting unknowns to QA
  - This auto-triage system learns from how QA classifies errors, using this information to classify future errors
- 2012–2014 **Graduate Research Assistant, *Human Robot Interaction Lab, Tufts University***
- Developed code in Clojure to generate software components allowing bidirectional communication between the ROS and ADE middlewares
  - Improved low-level feature extractor by enabling introspection on its current context
  - Part of team to implement learning by demonstration on PR2 and Xitome MDS robots
- 2012 **Teaching Assistant, *Robot Programming, University of Birmingham***
- Explained concepts to help students develop localization and navigation algorithms
  - Showed students how to debug remote and low-level hardware
- 2011 **Research Assistant, *Research Institute for Cognition and Robotics, Universität Bielefeld***
- Extended a data-driven fault detection system to work on the CAST robotics middleware
  - Optimized the learning model and algorithm to become more space and time efficient without loss of power

## Education

- 2012–2014 **MSc in Computer Science & Cognitive Science**  
***Tufts University*, USA**
- 2009–2012 **BSc in Artificial Intelligence & Computer Science, First Class Honours**  
***University of Birmingham*, United Kingdom**

## Technical Skills

**Languages:** Python, Clojure, Java, C, Prolog, PostgreSQL  
**Tools:** Emacs, Git, ElasticSearch,  $\text{\LaTeX}$   
**Platforms:** Linux/Unix, iOS/OS X, ROS, ADE

## Awards

- 2012 Provost Fellowship, Tufts University  
Best Research Dissertation, University of Birmingham
- 2011 Ede & Ravenscroft Travel Bursary  
Nuffield Foundation Science Bursary
- 2010 British Computing Society Tammal Hussein Memorial Prize

## Interests

I genuinely enjoy learning about new technical concepts, particularly in programming. Outside of technology, I enjoy doing physical activities. From time to time, I complete in powerlifting.