

Jeremiah M. Via

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Education

- 2012–2014 **MSc in Computer Science & Cognitive Science** (expected)
Tufts University, USA
- 2009–2012 **BSc in Artificial Intelligence & Computer Science**, First Class Honours
University of Birmingham, United Kingdom
- 2007–2009 **AS in Computer Programming** (3.83 GPA)
Grossmont College, USA

Work Experience

- 2012–2013 **Graduate Research Assistant**, *Human Robot Interaction Lab, Tufts University*
- Developed code in Clojure to automatically generated software components to allow bidirectional communication between the ROS and ADE middlewares
 - Improved low-level feature extractor by enabling introspection on its current context
 - Developing architecture wide fault-tolerant mechanisms
 - Deployed code to run on actual robots
 - Lead developer on the Willow Garage PR2 and the VGo telepresence robots
 - Part of a team to develop learning by demonstration on a robot
- 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
 - Modified learning model and algorithm to become more space and time efficient without loss in fault detection power

Technical Skills

Languages: Java, C, Clojure, Prolog, Python
Tools: Emacs, Git, Subversion, \LaTeX
Platforms: Linux/Unix, Mac 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 robotics and programming. Outside of technology, I enjoy getting outside and doing physical activities. I am a competitive powerlifter and I enjoy riding bikes.