

# Jeremiah M. Via

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## Education

- 2017 **PhD in Computer Science & Cognitive Science** (expected)  
Tufts University, USA  
ADVISOR: Matthias Scheutz
- 2012 **BSc in Artificial Intelligence & Computer Science** (First Class Honours)  
University of Birmingham, United Kingdom  
DISSERTATION: A Data-Driven Self-Awareness Model for Robotics Systems  
ADVISOR: Nick Hawes
- 2009 **AS in Computer Programming** (3.83 GPA)  
Grossmont College, USA

## Appointments Held

### 1. RESEARCH

- 2011 **Universität Bielefeld**, Research Institute for Cognition and Robotics  
Summer Research Intern
- Worked with a PhD student to incorporate a data-driven fault-detection algorithm into the CoSy Architecture Schema Toolkit (CAST).
- University of Birmingham**, Intelligent Robotics Lab  
Summer Research Intern
- Performed experiments on robots running CAST in order to determine the efficacy of a data-driven fault-detection algorithm on event-based systems. Results were then used to improve the algorithm.

### 2. TEACHING

- 2012 **University of Birmingham**, Robot Programming  
Teaching Assistant

## Grants & Awards

- 2012 Provost Fellowship, Tufts University  
Best Final Year Computer Science Student  
Best Research Dissertation  
Computer Science Prize
- 2011 Ede & Ravenscroft Travel Bursary  
Student Development Scholarship  
Nuffield Foundation Science Bursary  
School of Computer Science Excellency Scholarship
- 2010 British Computing Society Tammal Hussein Memorial Prize

2009	School of Computer Science Excellency Scholarship Best First Year Computer Science Student School of Computer Science Excellency Scholarship President's List (4.0 GPA)
2008	Vice-President's List (3.5+ GPA) Vice-President's List (3.5+ GPA)
2007	Vice-President's List (3.5+ GPA)

## Activities

### 2011–2012 Vice-Chancellor Seminar Series

Took part in a series of seminar discussions with members from the other schools of the university. The three top students from each of the five schools were selected to participate and each school hosted one discussion topic. Host schools and topics:

Arts & Law	Is high culture necessarily elitist?
Social Sciences	Can we still afford the welfare state?
Engineering and Physical Sciences	Should science spend less time on discovery and more on applying known science for economic benefit?
Life and Environmental Sciences	Is the opposition to GMOs based on simple scientific ignorance?
Medical and Dental Sciences	Should life be extended at all costs?

### 2010–2012 Birmingham Autonomous Robot Club

Founded the robot club in my second year as a way to get interested students and academics working together to make intelligent robots. It was immensely fun and we were able to show off our robots at school events. I have programming experience with the B21, Pioneer 3DX, Pioneer 1, Nao, and iRobot Create.

## IT & Programming Skills

Programming languages (Java, Common Lisp, Prolog, C/C++).  
Scripting languages (Python, shell).  
Markup languages (HTML, CSS, XML, YAML, JSON).  
Query languages (SQL).  
Data analysis (Matlab).  
Revision control (Git, Subversion).  
Digital typesetting ( $\text{\TeX}$ ,  $\text{\LaTeX}$ ,  $\text{\XeTeX}$ ).

## Languages

*English* (native speaker)  
*Spanish* (conversational fluency)

## Talks

Data-Driven Anomaly Detection. *Intelligent Robotics Lab, University of Birmingham*. November, 2011.

Café Scientifique: The Brain of AI. *Brain Awareness Week, University of Birmingham*. March, 2012.