

Bradley H. Hayes

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Permanent Address

51 Prospect St, Room 504
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EDUCATION

PhD Student at Yale University, Graduate School of Arts and Sciences; New Haven, CT September 2009 - Present
Advised by Dr. Brian Scassellati, Social Robotics Lab

Graduate of Boston College, College of Arts and Sciences; Chestnut Hill, MA May 2008
Bachelor of Science in Computer Science with Honors (GPA 3.7 in CS, 3.46 Overall)
Bachelor of Arts in Mathematics, Minor in Scientific Computation

Academic Accolades

Accenture Award (*Awarded by faculty to the top graduating senior majoring in Computer Science*) May 2008

Dean's Scholar Finalist (*Top 7% of junior class, with department nomination*) March 2007

Sophomore Scholar (*Top 3% of sophomore class, with department nomination*) March 2006

Graduate of Christian Brothers Academy; Lincroft, NJ May 2004

RESEARCH INTERESTS

Artificial Intelligence, Robotics, Social Modeling, Computer Vision

CONFERENCE REVIEWER

International Joint Conference on Artificial Intelligence (IJCAI) 2011

Human-Robot Interaction (HRI) 2011

TEACHING ASSISTANT

Yale University: Artificial Intelligence

Boston College: Computer Networks, Art & Visual Perception, Introduction to Computer Science, Data Structures

WORK EXPERIENCE

BAE Systems, Inc. Advanced Information Technology; Burlington, MA June 2008 – August 2009

Software Engineer I, Multi-sensor Exploitation Directorate

- Performed computer vision and artificial intelligence algorithm analysis and development on DARPA projects
- Worked on DARPA programs: VIRAT, NETTRACK, URGENT, and PANDA
- Active Top Secret/SCI clearance, through Department of Defense

Microsoft; Redmond, WA June 2007 – August 2007

Software Design Engineer Intern - Anti-Malware Lower Engine Team

- Designed and implemented two scripting languages and wrote high performance generic malware detection algorithms.

IBM Extreme Blue Labs; Austin, TX June 2006 – August 2006

Extreme Blue Technical Intern

- Architected and implemented project "Sentinel": Policy driven information security compliance
- Received extensive public speaking training, culminating in a project presentation to IBM's top executives

IBM; Cambridge, MA June 2005 – August 2005

Co-op Preprofessional Programmer

PATENTS

"Adding accessibility to drag-and-drop web content", US Patent # 7877700

ACTIVITIES

Boy Scouts of America - Eagle Scout February 2004 - Present

Association for Computing Machinery (BC Chapter) - President September 2007 - May 2008

Boston College Venture Competition Finalist ("Just Tracking" - 2007), 2nd Place ("NetGene" - 2009) April 2007, 2009

Yale Entrepreneurial Society Elevator Pitch Competition - 1st Place November 2011

PROGRAMMING SKILLS

- PHP
- MySQL/Postgres/PostGIS
- Java
- Ruby
- C/C++/C#
- XML/XSLT
- Python
- JavaScript
- XHTML
- MATLAB
- CSS
- Perl

Interests: Disruptive Technology, Home Automation, Robotics, HCI, Artificial Intelligence, Aikido, Ice Hockey.