OWEN C. DERBY

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EDUCATION

Massachusetts Institute of Technology, Cambridge, MA
Candidate for Masters of Engineering in Computer Science; GPA: 5.0   June 2013
Bachelors of Science in Computer Science and Engineering; GPA: 4.7   June 2012

Relevant Coursework: Machine Learning, Distributed Systems, Computer Systems Security, Performance Engineering of Software Systems, Design and Analysis of Algorithms

EXPERIENCE

MIT CSAIL, Evolutionary Design and Optimization Group, Cambridge, MA
Research Assistant   June 2012 – Present
- Developing FlexGP – a distributed, heterogeneous genetic programming system for machine learning.
- Creating a framework for running and analyzing FlexGP on an OpenStack cloud computing implementation.

Undergraduate Research Assistant   February – May 2011
- Designed and implemented a simple, light-weight genetic programming library in Java.

Jaybridge Robotics, Autonomous Agriculture Group, Cambridge, MA
Software Engineering Intern   May – August 2011
- Contributed to ongoing development of software control package for an autonomous farm tractor.
- Expanded regression tests to exercise new system features and to assess improvements in system performance.

Mission Critical Technologies, Machine Learning and Controls Lab, Moffet Field, CA
MCT Intern at NASA Ames Research Center   May – August 2010
- Expanded control software on lab test bed to incorporate acceleration measurements.
- Implemented a simple fault detection and isolation algorithm to demonstrate system capabilities.

iRobot Corporation, iRobot 710 Warrior, Bedford, MA
Software Engineering Intern   June – August 2009
- Programmed a component to setup streams with onboard A/V driver for remote control over radio.
- Designed and tested a logging application for real-time viewing and debugging of runtime data.

ACTIVITIES

MIT, Pokerbots – *Co-Developer*   September 2011 – Present

MIT, Eta Kappa Nu Honor Society – *President*   May 2011 – May 2012

MIT, Phi Kappa Theta Fraternity
– President   March 2011 – March 2012
– House Manager   March 2009 – March 2010

SKILLS   ## INTERESTS

Languages: Python, Java, C, MatLab, Bash, Latex, C++, Ruby
Operating Systems: Ubuntu/Linux; Windows
Software: git, svn; OpenStack, Amazon EC2

Robotics	Ping Pong
Exploring new cities	Volunteering
Board Games	Basketball
Cooking	