

Andrew Dempsey

15 Lovell St. Apt. #2
Somerville, MA 02144

(978) 760-2128

andrew.dempsey@tufts.edu
<http://adempsey.github.io>

Education

Tufts University School of Engineering, Medford, MA
BSCS, expected in 2015

Skills & Projects

- **Web Development**
 - Server-side development with Node.js/MongoDB, LAMP stack
 - Javascript and AJAX
 - Front-end design using CSS and jQuery
 - Ruby on Rails
- **C/C++, Python, and Ruby**, with projects including:
 - A Universal Virtual Machine in C capable of running small-scale operating systems
 - A program capable of detecting the language of a human-written document
 - An implementation of a hierarchical clustering algorithm
- **Network programming in C**, with projects including:
 - An HTTP server
 - A P2P file transfer system
 - A clandestine messaging fabric
 - A dynamic resource discovery server
- Some experience in **iOS Development and Objective-C**
- Selected projects available at <http://github.com/adempsey/>

Work Experience

- **IBM Corp.**
Connections Automation Engineering Intern (Summer 2013)
 - Worked on a team to design and implement a validation tool for the installation of IBM's social business software, Connections
- **Lahey Hospital and Medical Center**
Web Engineer (Summer 2013)
 - Developed mobile web application to allow neurosurgical patients to communicate levels of pain to their physicians through the Oswestry Disability Index and the Visual-Analog Scale
- **Tufts University Human-Robot Interaction Laboratory**
Research Intern (Summer 2012)
 - Analyzed human behavior and speech patterns in subjects interacting with artificial intelligence to aid in the future design of robotic products for public consumption
- **Museum of Science, Boston**
Information and Interactive Technology Intern (Summer 2011)
 - Assisted in deployment of new museum website, designed implementation of SSO system for museum staff members, and beta-tested prototypes for ticket kiosk and reservation system UIs

Other Skills & Achievements

- **Film Production**
 - Extensive experience in Final Cut Pro and Adobe Premiere
 - Won "Best Student Production" in the 2011 Los Angeles Web Series Festival for an entirely self-produced web series, *Nonlocality*
 - Received a grant from the WGBH Open Call project to produce a short documentary on climate change, *Cold Water*, which later aired on television
- 3D modeling and animation in Blender
- Typing speed: Approximately 120 words per minute