JOSHUA D. DICK

EDUCATION: **Bachelor of Science in Computer Science, May 2009 • Worcester Polytechnic Institute, Worcester, MA • GPA: 3.43**

COMPUTER/ TECHNOLOGY SKILLS:
- Web Programming/Design: JavaScript (including jQuery, Backbone.js, Underscore.js, RequireJS), HTML, CSS, PHP, JSP, SQL (PostgreSQL/MySQL), PhoneGap
- Application Programming: Java, Linux/Unix shell script (bash/zsh), working knowledge of node.js and Python
- Miscellaneous: Git SCM, Subversion, nginx and Apache httpd configuration, Linux system administration
- Computer repair, software and hardware installation and troubleshooting: Windows, Mac and Linux
- Graphic design with Adobe Photoshop, music composition and arrangement with Propellerhead Reason

EXPERIENCE: **Software Engineer,** Cisco Systems, Boxborough, MA, 2009-Present
- Work in Cisco's Collaboration Business Applications Business Unit to develop IP telephony applications, with a focus in front end web development
- Currently a developer for the Cisco Packaged Contact Center Enterprise product; have previously done development for the Cisco Finesse, Cisco Unified Intelligence Center, and Cisco Unified Customer Voice Portal products

Architect, Startup (In Stealth Mode!), Norwood, MA, 2011-Present
- Make architectural and design decisions related to web and mobile technologies across the application stack
- Built proof-of-concept application for iPad/Android; front end utilizes PhoneGap, Twitter Bootstrap, Backbone.js, jQuery, and RequireJS; back end utilizes CakePHP and PostgreSQL
- Craft and maintain engineering requirements

Technician, Personal Business, Fairfield, CT, 2000-Present
- Fix miscellaneous computer problems and perform home network installation for various clients
- Design, improve and maintain web sites for various clients

WPI Helpdesk Specialist, Worcester Polytechnic Institute, Worcester, MA, 2007-2009
- Provided phone, e-mail and in-person computer tech support for faculty, staff and students at WPI

Software Engineering Intern, Cisco Systems, Boxborough, MA, Summer 2008
- Worked in Cisco's Collaboration Business Applications Business Unit to develop a Java/JSP-based web application prototype

Lead Instructor, iD Tech Camps, Fairfield, CT, Summers 2006-2007
- Taught Java programming, Multimedia Fusion video game creation and Vex Robotics to students aged 10-17

PROJECTS: **miniProxy (https://github.com/joshdick/miniproxy, formerly PageForward),** Independent Project, 2005-Present
- Wrote an efficient web proxy program in PHP by retooling and improving an older open-source program
- Released as open-source software, has been downloaded over 10,000 times

GuitARMHero, Independent Project, 2008
- Worked on a team of four to create a device that plays the game "Guitar Hero III" automatically
- Wrote C++ code to control game play via an ARM9 processor development board running embedded Linux

A Virtual Team Room for Wonderland, Sun Microsystems (Worcester Polytechnic Institute Senior Project), 2008
- Worked with a fellow student and with representatives from Sun Labs to develop two interactive components for Project Wonderland, an open-source toolkit from Sun Labs for creating collaborative 3D virtual worlds

Copyright Law in the Digital Age, Worcester Polytechnic Institute, 2007-2008
- Worked on a team of three on a research project focusing on copyright law in today's digital world, analyzing actions taken by the US movie and music industries

WPI Sufficiency Project (Music Composition), Worcester Polytechnic Institute, 2007
- Worked with a fellow student to compose, record and master a 25 minute music album using Propellerhead Reason

ACTIVITIES: **Stage Band and Jazz Ensemble,** Worcester Polytechnic Institute, Drummer/Percussionist, 2005-2009
Game Development Club, Worcester Polytechnic Institute, 2005-2009
- Game Development Club Linux System Administrator and Webmaster, 2007-2009

WPI Wireless Association (Ham Radio Club), Worcester Polytechnic Institute, 2008-2009