

Patrick Gray

Computer Engineer

Personal Data

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Languages and Tools

Different Languages: C, HTML/CSS, PHP, Bash, C++/Java, Objective C, Go
Tools and Methods: Git, FireBug, CI, Agile, Docker, Drupal, MySQL, PostgreSQL, AWS (EC2/RDS), Atlassian (Jira, Stash, Bamboo, Confluence)

Education

Sep 2009 - May 2013 | Bachelor of Science in Electrical and Computer Engineering
Rutgers, The State University of New Jersey - GPA: 3.05
Computer Architecture and Assembly Language, Digital Logic Design, Programming Methodology I and II, Operating System Design, Software Engineering, Parallel and Distributed Computing, Virtual Reality, Network Centric Programming

Work Experience

Nov 2013 - July 2014 | IT Infrastructure Contractor at DIRECTV via Robert Half Technology
lifeshield.com
Rewrote warehouse software to optimize time required to customize android tablets, which included writing a small android app. Debugged an open source C email system to develop a way of cleaning a legacy database. Installed and administered Atlassian Jira, Stash, Confluence, Bamboo, FishEye, Crucible, as well as the machines they ran upon. Debugged at all levels of the stack. Worked with Amazon EC2/RDS as well as a local VMWare cluster. Produced requirements documents and system diagrams, communicated with vendors and product engineers, and vetted the technical side of a multi-million dollar project to bring in a PaaS for future development and expansion of services.

Oct 2012 - Apr 2013 | Web Dev. Intern at Professional Science Master's Program
psm.rutgers.edu
Department web developer/admin. Responsible for design and functionality changes of a Drupal site. Aided in moving the site to a virtual backend.

Jun 2012 - Aug 2012 | Web Developer for Innovation Park@Rutgers
ipark.rutgers.edu
Built a Drupal website on Windows Server and customized the theme, functionality, and data types. Completed set goals early, allowing for refinements and changes to original plans while still under original development timeline.

Apr 2011 - Sep 2012 | iOS/Web Dev. Intern at Rutgers Advanced Technology Extension
rate.rutgers.edu, hackerspace.rutgers.edu
Developed an iPad application for the continuing education User Experience Design course. Post-completion, focused on the development of Drupal websites using HTML/CSS and PHP.

Projects and Activities

Jan 2013 - May 2013 | ASUH: API for the Scientific Utilization of Heterogeneity
ASUH
An API to transfer data analysis off HPCs and decrease utilization time by providing remote CPU and GPU execution methods.

Sep 2009 - May 2013 | Rutgers D1 Track and Field Athlete: *Pole Vaulter*
Devoted 30+ hours a week to training in addition to full course load.
Perservered through reoccurring injuries to recover and accomplish goals.