

Patrick Gray

Computer Engineer

Personal Data

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Languages and Tools

Different Languages: C, HTML/CSS, Bash, C++/Java, Objective C, Go
Tools and Methods: Git, Puppet, 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 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
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Work Experience

Sep 2014 - Present	Linux/DevOps Engineer at Reliant Solutions reliantsolutions.com Responsible for managing multiple clients' infrastructures with Puppet and applying new features, services, and optimizations in a continuous integration and delivery manner. Constantly evaluating new technologies and methods for decreasing technical debt in order to create systems that run leaner and with more stability.
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/Experiences

- 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.