

Patrick E. Vargas

Skills

Internet Technologies

» Grails, Angular, JavaScript, HTML5, Jade, CSS3, SASS, Less, Bootstrap, Node

Programming Languages

» Groovy, Java, Processing, C/C++

Tools and Utilities

» AWS, Jenkins, Spock, Git, GitHub, Atom, Yeoman, Bower, Grunt, MongoDB, Mongoose, PostgreSQL, IntelliJ, SVN, Sublime

Miscellaneous

» Agile Software Development, Interpersonal Skills, Graphic Design, Slack, JIRA

Experience

Software Engineer, Pitney Bowes Software

Boulder, CO

Jun 2014 – Present

`#grails #groovy #java #less #postgresql #jenkins #aws #spock #bootstrap #svn`

- » Implemented a status reporting website for stakeholders utilizing the Jenkins API.
- » Built and automated a SQL testing framework for our data production pipeline.
- » Setup a Continuous Integration server, using Jenkins, for our project space.
- » Volunteered as Documentation Lead and Scrum Master to streamline efficiency of day-to-day team minutia.
- » Created a per-revision, performance-testing and reporting system for a high-profile project.

Software Engineering Intern, Pitney Bowes Software

Boulder, CO

May 2013 – May 2014

`#grails #groovy #javascript #less #c/c++ #perl #svn`

- » Created a GUI for the US geocoder in the form of a Website to compare and contrast a competitor's geocoder.
- » Improved performance of geocoding software 10% by implementing Microsoft's Profile-Guided Optimization.
- » Adapted the cppunit test-suite for Unix platforms, applying more thorough and rigorous software preparation.
- » Researched the impact of byte order swapping on Big Endian machines.
- » Automated script testing by creating an output parser employing pipes.

Projects

Portfolio Website [v5]

www.yesthispatrick.com

Jun 2015 – Present

`#angular #javascript #bootstrap #sass #yeoman #bower #grunt #aws #illustrator #git`

- » Implemented a portfolio website with low maintenance and easy updatability.
- » Incorporated well-maintained libraries and packages for quick uptime.
- » Utilized Angular.js and AWS S3 for high functionality, quick processing while cost-effective.

Geocoding Data Report

Feb 2015 – Present

`#grails #groovy #postgresql #jenkins #aws #svn`

- » Presented stakeholders with the most important, up-to-date product production status in an easily consumable website.
- » Automatically collected and intelligently predicted quarterly production plans for efficient and minimal quarterly planning.
- » Provided automated, up-to-date, detailed information concerning specific product information for use by customer service representatives and engineers.

GeoStan Application

Jan 2014 – Feb 2014

`#grails #groovy #java #illustrator #svn`

- » Implemented a GUI in the form of a Grails Application for GeoStan.
- » Utilized the Google-Maps API to display GeoStan output along side Google output.

Queertionary

www.queertionary.com

Jan 2014 – May 2014

`#angular #mongodb #javascript #node #git`

Technology, Arts & Media Senior Thesis Project

- » Created Node.js Application to study the use of Queer Jargon.
- » Utilized APIs, such as UrbanDictionary, Tumblr, and Flickr, to compare and contrast word usages.

Education

University of Colorado

Boulder, CO

May 2014

Bachelor of Science, Computer Science, 3.35 GPA

- » Atmospheric & Oceanic Science Minor
- » Technology, Arts, & Media Minor (*Graduated with Honors*)
- » Dean's List, Spring 2014 & Spring 2013, College of Engineering & Applied Science
- » Dean's List, Spring 2011, College of Arts & Sciences

Involvements & Leadership

Instrumental Music *Fall 2012 - Present*

"Ask Me Anything" Volunteer *Fall 2012 – Spring 2013*

Vice President & Secretary for Engineering Student Group *Fall 2011 – Spring 2012*

Secretary for Student Advisory Board to Student Resource Center *Spring 2010 – Fall 2012*

Volunteer for Student Resource Center *Spring 2010 – Spring 2011*

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