

James Sandoval

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Education

Oregon State University, School of EECS

B.S., Computer Science (August 2017)

Western State Colorado University

B.A., Anthropology, Minor: Business Administration (May 2008)

Work Experience

United States Navy, P3 Orion Flight Engineer (2011 - 2017)

- Monitor and operate aircraft systems, including engines and other critical flight systems during flight and ground Ops.
 - Oversee flight schedule to ensure mission requirements are met using systematic reporting and dynamic planning.
- Tech: P3 Orion Aircraft, MS Office, Sharp 5.2, Sharepoint

SimpleNinety Media, LLC., Web Developer/Consultant (2005 - 2011)

- Create custom websites including complete e-commerce solutions using Wordpress, Joomla, and Drupal.
 - Implement innovative solutions to grow businesses using branding, SEO, and social media strategies.
- Tech: Illustrator, Photoshop, Lightroom, Dreamweaver, MS Office

T. Rowe Price, Web Content Manager (2010 - 2011)

- Collaborate with marketing, design, and legal teams to plan and develop site content, style and layout.
 - Collect and curate survey data for future campaign strategies.
- Tech: Photoshop, Dreamweaver, Vignette (Open Text CMS), MS Office

UBM Tech, Html E-mail Marketing Developer (2009 - 2010)

- Maintain expert knowledge of HTML/CSS regarding best practices for HTML email development.
 - Produce and test HTML and CSS mail assets that will function across a number of platforms and email clients.
- Tech: Photoshop, Dreamweaver, Mailchimp, Microsoft CRM, MS Office

Projects

JamesSandoval.io - Portfolio, Blog, Custom CMS

- Personal web application developed and designed to serve as a custom CMS blog/portfolio.
 - Full-stack: Built frontend using Bootstrap, JavaScript and backend with Node, Express and MongoDB.
- Project Type: Independent project; Built using Feature-Driven Development - Ongoing

Perseus Web Crawler - Graphical Web Scraper

- Web app built using Ruby on Rails and Python to scrape data and produce a graphical interactive map using D3.js.
 - Full-stack: Built frontend using JavaScript (Angular, JQuery, d3), HTML, CSS and backend with Python and RoR.
- Project Type: Group project; Built using Agile(XP) Development. - Ongoing

Community of Practice for Telecommuters - Web Application

- Node based web application incorporating express, MySQL, JavaScript, Bootstrap, Passport, Mocha, Travis-CI, etc.
 - Full Stack: Leveraged indeed api to collect job data and implemented web interface along with back-end components.
- Project Type: Group project; Coursework - Complete

The Lost City of Paititi - Linux Adventure Game

- An awesome text based adventure game built using C++, implemented using OOP principles, algorithms and the STL.
 - Software Engineer: Implemented from concept design to creation, including extensive testing and documentation.
- Project Type: Independent project; Coursework - Complete

Skills

Web Development

Experience with Node.js, Ruby on Rails, Python, RESTful API development, AJAX, JavaScript (Angular, jQuery), JSON, XML, PHP, HTML, CSS, Bootstrap, Sass, Less, MySQL, SQL, RDMS, NoSQL, MongoDB, NDB

Other Programming Languages

Experience with C/C++, x86 Assembly, Bash, Python, Matlab, Java, Visual Basic

Misc Technologies

Experience with Adobe CC(Photoshop, Illustrator, Dreamweaver, Acrobat Pro), MongoDB, MySQL, Git(GitHub), Slack, Visual Studio, Linux, Windows, EC2, Google App Engine(Python/Java), AWS, DNS(Route 53), Heroku, Raspberry Pi, Arduino, Zigbee

Current Interests

React - JavaScript library

Learning the React ecosystem including es2015/ES6, Webpack, Babel, and Semantic-UI, among others.

Machine Learning Course

Studying Machine Learning on Coursera via Andrew Ng and Stanford University.

Hardware Hacking

As a hobby, I enjoy tinkering with SDR's (HackRF One and Zigbee devices). I also like to experiment with Arduino, Raspberry Pi, and my Matrix creator. If you'd like to find out more, just ask!