DAVID JAMES CARTER

EXPERIENCE

TEACHING ASSISTANT, APP ACADEMY, SAN FRANCISCO, CA — 2015

- Assisted with teaching and contributing to core curriculum (Ruby, Rails, JavaScript, Backbone, React)
- Help write, proctor, evaluate assessments and track student progress with data visualizations built using d3 and Highcharts

FULL STACK ENGINEER, REMOTE — 2015

- Contracted by virtual concierge startup with over 5 million users
- Implemented features all along the stack - Ruby on Rails, CoffeeScript, Angular, HAML, PostgreSQL
- Worked remotely on SCRUM team, performed code reviews and refactoring, wrote unit and integration tests (increased test coverage from 70% to over 95%), created mockups, UML diagrams for new features

DJCOMPUTER IT CONSULTING, FOUNDER, PORTLAND, OR — 2008-2016

- IT Supervisor during Washington and Oregon's WaMu to Chase Bank conversion project. Directed hardware and software rollout at two branches and streamlined the deployment protocol for future regional rollouts
- Deployed over 1,500 PCs in the Vancouver Public School District. Used JAMF Casper Suite and Novell ZENworks to deploy and provision Mac and Windows environments
- Selected by Nike legal team to provide expert witness testimony as wireless network security analyst
- Secret level clearance with the Department of Defense - required for network administration for the TSA, and systems administration for Oregon State Senators Wyden and Merkley
- Solicited by Multnomah County Sheriff Department to perform JTAG data recovery and digital forensics on smartphones and mechanical memory devices

PROJECTS

DIGISFERE.IO

Discover and share Bay Area resources in the software industry - Live | GitHub

- Full stack, single-page web application featuring front end built using Backbone.js with PostgreSQL and Rails API on the backend. Designed and built over the course of about 10 days.
- Features full text search, custom Backbone composite/nested views, customized Google Maps

RUBYMVC PAINT

Simple Paint application running on my own full stack MVC web application framework - Live | GitHub

- Dynamic user interface with custom color generation and brush-stroke, built in JavaScript using jQuery
- Web application framework inspired by Rails, implements Model-View-Controller software pattern
- Generates ORM, renders ERB templates with data binding, serves custom routes, supports nested parameters and cookies/flash

CRAPPYBIRD

Tribute to the legendary Flappy Bird - Live | GitHub

- Written in JavaScript and HTML5, cross-browser support, polyfills, and optimizations
- All original graphics created using Adobe Photoshop and Illustrator

SKILLS

- Front End: JavaScript, HTML5, CSS3, jQuery, d3, Angular, Backbone, Sass, Bootstrap
- Back End: Ruby, Ruby on Rails, Python, Node, SQL, Sidekiq, Redis, Sphinx, AJAX, Git, RSpec, Jasmine, Capybara
- Hardware: Arduino, RasPI, Android/Embedded Linux, JTAG

EDUCATION

LEWIS AND CLARK COLLEGE, PORTLAND, OR — 2010
B.S. in Mathematical & Computer Sciences

- Awarded 1 of 5 Barbara Hirschi-Neely Scholarships - merit-based, full tuition and fees
- Courses: Cryptography, Number Theory, Bioinformatics, Assembly Language

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