

# DAVID JAMES CARTER

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## EXPERIENCE

Hacker in Residence, Junior Instructor - App Academy - December 2015 - April 2016

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

Full Stack Ruby on Rails Engineer - Ivy - October - December 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

Founder/CTO - DJComputer IT Consulting - September 2008 - Present

- Lead Technician during Washington and Oregon's WaMu to Chase Bank conversion project. Oversaw teams of 4 technicians during 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, acting as Project Lead
- Selected by Nike legal team to provide expert witness testimony as network and 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