

# DAVID JAMES CARTER

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## EXPERIENCE

**Software Engineer** - [FreeWheel](#), A Comcast Company - NYC - June 2016 - present

- Full-stack developer on Ruby on Rails, jQuery/React, MySQL, and Go (microservice-oriented) platform
- One of four core contributors to React/Redux-based front-end data management framework and component library, which has been deployed company-wide and soon-to-be open sourced
- Independently developed automated visual regression testing framework based on BackstopJS, CasperJS, and PhantomJS and integrates with Jenkins CI/CD pipeline

**Hacker in Residence/Junior Instructor** - [App Academy](#) - San Francisco, CA - December 2015 - April 2016

- Taught and contributed to core web-development bootcamp curriculum (Ruby, Rails, JavaScript)
- Created web-based data visualization tool to track students' progress using D3 and Highcharts

**Founder** - DJComputer IT Consulting - PORTLAND, OR - 2008-2015

- Directed hardware and software rollout at two bank branches as IT Lead for WaMu to Chase conversion project
- 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
- Solicited by Multnomah County Sheriff Department to perform JTAG data recovery and digital forensics on smartphones and digital media

## INDEPENDENT PROJECTS

### DIGISFERE.IO

*Discover and share Bay Area resources in the software industry - [Live](#) | [GitHub](#)*

- Full stack, single-page web application - jQuery, BackboneJS, PostgreSQL, and Ruby on Rail
- Features full text search, custom BackboneJS composite/nested views, draggable components, customized Google Maps. Deployed on Heroku, integrates with Google Maps API, Google Analytics, and Disqus

### 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
- Creates ORM of SQL DB (supports SQLite or PostgreSQL), binds data with and renders ERB templates, serves custom routes, parses nested parameters, stores cookies/flash

### CRAPPYBIRD

*Tribute to the legendary Flappy Bird - [Live](#) | [GitHub](#)*

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

## SKILLS

Languages: JavaScript (ES2015), Ruby, Go, CSS3, HTML5

Frameworks/Libraries/Other technologies: Docker, SQL, Solr, Nginx, Jenkins, Git, Jira, ELK, Vagrant, React/JSX, Backbone, Algolia, Cypress, RSpec, Factory Girl, Capybara, Cucumber, Mocha, Chai, Enzyme, Redis, AWS, ESLint, Gulp, Webpack, Babel, LESS/Sass, Bootstrap, Heroku

Hardware: Arduino, RasPI, Android/Embedded Linux, JTAG

## EDUCATION

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

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