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# DAVID JAMES CARTER

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## PROJECTS

### DIGISFERE.IO

*Discover and share Bay Area resources in the software industry.*

- Single-page app using Backbone.js on the front end consuming a Ruby on Rails API
- Features full text search, custom Backbone composite views, stylized Google Maps

### RUBYMVC PAINT

*Simple Paint application running on my own web application framework*

- Dynamic user interface with custom colors and brush-stroke, built with jQuery
- Web application framework inspired by Rails, implements Model-View-Controller software pattern
- Renders ERB templates, serves custom routes, parses nested parameters, stores cookies/flash

### CRAPPYBIRD

*Tribute to the legendary Flappy Bird*

- Submits and dynamically updates high scores using jQuery and AJAX
- All original graphics created in Adobe Photoshop and Illustrator

## SKILLS

Front End: JavaScript, HTML5, CSS3, jQuery, d3, Angular, Backbone, Sass, Bootstrap, CoffeeScript, HAML

Back End: Ruby, Ruby on Rails, Python, Django, Node.js, SQL, AJAX, Git, RSpec, Jasmine, Capybara,

Sphinx, Sidekiq, Redis

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

## EDUCATION

LEWIS AND CLARK COLLEGE, PORTLAND, OR – 2010

B.S. in Mathematical and Computer Sciences

- Awarded 1 of 5 Barbara Hirschi-Neely Scholarships
- Courses: Cryptography, Number Theory, Bioinformatics, Assembly Language

APP ACADEMY, SAN FRANCISCO, CA – 2015

12 Week, immersive full-stack web development program

- highly selective: less than 3% acceptance rate
- emphasizes industry best-practices, pair programming, test driven development

## EXPERIENCE

FULLSTACK RUBY ON RAILS ENGINEER, SAN FRANCISCO, CA – 2015

- Contracted by virtual concierge company with over 5 million users
- Helped build full-text search implementation using Sphinx DB engine, interact with IBM Watson API
- Refactored entire unit and integration testing base using Factory Girl, Capybara

DJCOMPUTER IT CONSULTING, FOUNDER, PORTLAND, OR – 2008-2015

- Selected as IT Supervisor during the developmental phase of 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 and ZENworks to deploy Mac and Windows environments.
- Solicited by Multnomah County Sheriff Department to perform JTAG data recovery service on smartphones recovered from crime scenes
- Recruited by Nike legal team to provide expert witness testimony as wireless network security analyst