DAVID JAMES CARTER

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 full stack MVC 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
- Creates ORM of SQL DB, binds data with and renders ERB templates, serves custom routes, parses nested parameters, stores cookies/flash

CRAPPYBIRD
Tribute to the legendary Flappy Bird

- Written in JavaScript and HTML5, optimized canvas animation using polyfills
- All original graphics, created using Adobe Photoshop and Illustrator

SKILLS

Front End: JavaScript, HTML5, CSS3, jQuery, d3, Angular, React, JSX, Backbone, Sass, Bootstrap

Back End: Ruby, Ruby on Rails, Python, Django, Node, SQL, AJAX, Git, RSpec, Jasmine, Capybara, Sidekiq, Redis, Sphinx, Elasticsearch

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 – merit-based, full tuition and fees
- 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

FULL STACK ENGINEER, SAN FRANCISCO, CA — 2015

- Contracted by virtual concierge company with over 5 million users
- Helped implement full-text search 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

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