# DAVID JAMES CARTER

## PROJECTS

### DIGISFERE.IO — JULY 2015

Discover and share Bay Area resources in the software industry. Designed and built using Backbone.js, Ruby, and Ruby on Rails. Features an asynchronous, single page app design with dynamic search querying, unique Google Maps styling, and a customized composite view class written in Backbone.

### RUBYMVC — JULY 2015

Simple web application framework written in Ruby and inspired by Ruby on Rails. Implements the MVC software pattern using meta-programming, provides ORM with a SQL database and supports nested routes/parameters and cookies.

### CHESS — JUNE 2015

Two-player game with command-line GUI. Written in Ruby, uses class inheritance and polymorphism to implement piece behavior, and highlights all possible moves for a selected piece of the current player.

## SKILLS

Front End: JavaScript, HTML5, CSS3, jQuery, d3, Backbone, Sass, Bootstrap
Back End: Ruby, Ruby on Rails, SQL, AJAX, Git, RSpec, Jasmine
Other: Sys/DevOps, Arduino, RasPI, Android/Embedded Linux, JTAG

## EDUCATION

### LEWIS AND CLARK COLLEGE, PORTLAND, OR — 2010

#### B.S. in Mathematical and Computer Sciences

- Awarded 1 of up to 5 Barbara Hirschi-Neely Scholarships - Full-tuition and fees, merit-based
- Courses: Cryptography/Number Theory, Bioinformatics, Assembly Language, Artificial Intelligence

### APP ACADEMY, SAN FRANCISCO, CA — 2015

#### 12 Week, immersive full-stack web development program

- highly selective: less than 5% acceptance rate and 20% attrition rate
- emphasizes industry best-practices, pair programming, test driven development

## EXPERIENCE

### 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. Selected team of 4 technicians.
- Optimized custom Linux kernel for embedded platform controller prototype for Sheldon Labs chemical incubator. Integrated Real Time Application Interface (3.1) to meet specified time constraints using parallel I/O with analog oscillators.
- Department of Defense Secret clearance obtained for multiple government contracts including a network administrator role in the offices of Oregon state Senators Jeff Merkley and Ron Wyden, and Washington state Senator Patty Murray.
- Recruited by Nike to provide expert witness testimony as wireless network security analyst