

PAUL CATHEY

CONTACT

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(408) 641-6101

Oakland, CA

LINKS

LinkedIn

GitHub

Portfolio

SKILLS

JavaScript

Ruby on Rails

React.js

HTML

CSS3

SQL

jQuery

git

PROJECTS

Chordinate | Full Stack

A browser-based keyboard recording and sharing songs. Built with Ruby on Rails with React-Redux

- Collaborated with a friend who designs at Apple and implemented her visual design specs
- Built modular keyboard-control system that programatically can add notes
- Created tonation generation system using AudioContext oscillators and gain nodes

Down Beat | Frontend

A Javascript platformer game built using the HTML5 canvas wrapped in EaselJS

- Built collision detection system from scratch
- Designed physics engine for platform and player movement
- Implemented character sprite animation

BARTist | Frontend

A Chrome extension using BART's API and user location to provide train schedule

- Pinpoints nearest station using geolocation API
- Built in collaboration using GIT workflow

WORK EXPERIENCE

Lead Instructor at Galileo Tech Camps

June - August 2015

Tech Museum of San Jose

San Jose, CA

- Developed a 3-class STEM curriculum that is taught to hundreds of students each summer
- Taught design-centric engineering courses building roller coasters and hydraulic machines for 4th-6th graders
- Supervised assistant instructors working in classroom and supported their professional development goals

Americorps Teaching Fellow

July 2014 - June 2015

Citizen Schools California

William Sheppard Middle School, San Jose, CA

- Took initiative and ownership over networking, presentation, and general technology needs for office of 13 teachers and administrators
- Trained volunteers and lead them in weekly teaching-technique workshops for 10-week blocks
- Wrote and taught curriculum for 6th grade math class of 23 students

EDUCATION & TRAINING

App Academy

September - December 2016

San Francisco, CA

Web development 1000-hour bootcamp with a 3% acceptance rate

Received highest positive feedback marks for all pair programming

St. Olaf College

2009 - 2013

Northfield, MN

BA Philosophy

Relevant coursework includes: formal logic, computer science (intro with Python)