# PAUL CATHEY

# **CONTACT**

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(408) 641-6101

Oakland, CA

## **LINKS**



LinkedIn



GitHub

Portfolio

## **SKILLS**

Ruby on Rails

React.js

SQL

**JavaScript** 

**iQuery** 

git

HTML

CSS3

**AJAX** 

# **PROJECTS**

#### Chordinate | Full Stack

Live I Github

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 secure authentication via password encryption and front end validation
- Created tonation generation system using AudioContext oscillators and gain nodes

#### **Down Beat** I Frontend

**Live I Github** 

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

- · Built collision detection system from scratch
- Designed physics engine for platform and player mov ement
- · Implemented sprite animation

### **BARTist** | Frontend

**Live I Github** 

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

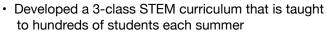
- Pinpoints nearest station using geolocation API
- · Built in collaboration using GIT workflow

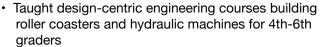
# WORK EXPERIENCE

#### **Lead Instructor at Galileo Tech Camps**

June - August 2015

Tech Museum of San Jose San Jose, CA





 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)