

Alexander Hermstad

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EDUCATION

University of California San Diego, La Jolla, CA

Computer Science B.S, **GPA:** 3.9, **Expected graduation:** June 2018

EXPERIENCE

Doctible - Software Engineering Intern

October 2016 - Present

- Implemented an interface/adaptor with an Office Management API to a PostgreSQL database, using Ruby and ActiveRecord
- Wrote scripts to automate the creation of various forms in a Rails app

Skqrl - Software Engineering Intern

June 2016 - September 2016

- Developed front-end UI tweaks using JavaScript and jQuery to improve UX for multiple pages
- Designed and implemented a solution to store a user's location metadata in the database using Python/Django and MySQL

PROJECTS

MusExplore - Web App written in Django

- Designed and implemented a responsive frontend using Bootstrap and custom CSS
- Configured and deployed the app on an nginx server with Gunicorn
- Queried and parsed results from REST APIs, making a custom format for data obtained about musical artists

CoupleTones - Location-based Android App

- Implemented an interface with the Google Maps API, using Google Cloud Messaging as a backend
- Designed a frontend for the app using best practices of Google's Material Design

Personal Portfolio Website - hermstadalex.github.io/portfolio

- Wrote HTML with CSS and bootstrap to style and format a responsive personal portfolio website
- Implemented JavaScript interactivity with a game made with vanilla JavaScript and jQuery

TECHNOLOGIES AND SKILLS

Experienced: Python, Java, C/C++, Git, Ruby, UNIX, HTML/CSS, SQL

Familiar: Django, Rails, Bootstrap, nginx, JavaScript, jQuery, REST, Agile, Android

INVOLVEMENT

IEEE UCSD

Fall 2015 – June 2016

- Collaborated with a team to build and implement a small autonomous RC vehicle using a Raspberry Pi with ArduPilot
- Maintained and updated a website to document progress. Implemented using the Jekyll static site service