Otto P Chen

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University of California, Davis
Expected Graduation : 2018
Computer Science 3.8 GPA

SKILLS

Proficient in Python, C, C++, HTML, CSS, Javascript
Experience with Ruby on Rails, Xcode/Swift, SQL

RELEVANT COURSEWORK

UC Davis

ECS20 - Discrete Mathematics
ECS30 - Programming and Problem Solving
ECS40 - Software Development and Object-Oriented Programming
ECS50 - Machine Language

ECS60 - Data Structures and Programming
ECS89H - Web Design
ECS122A - Algorithm Design
STA131A - Probability Theory

UC Berkeley
CS61A- Structure and Interpolation of Computer Science

PROJECTS

Weather App
- Created a weather web app
- Uses Yahoo! Weather JSON API
- Design elements from UC Davis Design Club

Drakify
- Team project for CalHacks 2015
- Web app that allows users to speak lyrics into a microphone and have a matching song video pulled up to view.
- Uses Chrome Voice Recognition and RapGenius lyric APIs

Unix Operating System
In ECS40 I developed a primitive operating system based on Unix with file structure and basic commands.
- Written in C++
- Ideas used were classes, inheritance, dynamic memory allocation, and overloaded operators

Twitter Sentiment Map
In CS61A I worked on a geographical visualization of the sentiments of Twitter tweets using a database of tweets.
- Written with Python
- Used dictionary of words and sentiment values to assign sentiment to tweets
- Used tweet coordinates to create a map

Scheme Interpreter
As a final project in CS61A, I implementer aspects of an interpreter for the Scheme Language
- Written in Python
- Parsed input into a read-evaluate-print loop
- Implemented a dispatch table for commands
- Implemented procedures such as assignment and lambda expressions

WORK EXPERIENCE

Associate, In-N-Out Burger. San Leandro, CA. March 2013 - August 2014
Worked in various positions at a busy fast food restaurant. Tasks included cleaning, taking orders, and preparing food. Developed customer service and teamwork skills.