

## Otto Chen

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University of California, Davis  
Expected Graduation: 2018  
Computer Science, 3.6 GPA

### SKILLS

Proficient in Python, C, C++ with experience in Ruby on Rails, HTML/CSS, and XCode/Swift

Environments: Mac OS X, Unix, Windows, Vim, Git

### RELEVANT COURSEWORK

#### UC Davis

ECS20 - Discrete Mathematics - A

ECS30 - Programming and Problem Solving - A+

ECS40 - Software Development and Object-Oriented  
Programming - A

ECS50 - Machine Language - A+

ECS60 - Data Structures and Programming - A-

#### UC Berkeley

CS61A - Structure and Interpolation of Computer Science

### PROJECTS

#### Unix Operating System

For my software development class I created a mock version of the Unix operating system

- Written in C++.
- I used classes and inheritance for aspects such as directories, permissions, and time.
- Directories were implemented using linked lists and dynamic memory allocation.
- Overloaded operators were used extensively to increase code cleanliness and readability.

#### Twitter Sentiment Map

I worked on a geographical visualization of the positive and negative sentiments of Twitter tweets in the United States as part of a course at UC Berkeley.

- Written in Python.
- I used a procedure to parse through tweets with a dictionary of key words and sentiment values.
- Used values to create a color coded map based on tweet location.

#### Scheme Interpreter

As a final project I implemented various aspects of code in an interpreter for the Scheme language.

- Written in Python
- I worked with inputs and tokenized them as part of a read-evaluate-print loop
- Used a dispatch table for commands
- Implemented functionality for various procedures such as assignment, procedures, and lambda expressions.

### EXPERIENCE

*ASSOCIATE, IN-N-OUT BURGER; SAN LEANDRO, CA — FEB 2013 - AUG 2014*

Worked various positions in a fast paced environment in one of the busiest fast food restaurants in the area. Developed strong communication, work ethic, and speed.