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## **EDUCATION**

#### **UC BERKELEY**

BS IN ELECTRICAL ENGINEERING AND Jan 2015 - Present | Berkeley, CA COMPUTER SCIENCE

Expected May 2018 | Berkeley, CA Conc. in Software Engineering College of Engineering GPA: 3.573

### LINKS

Github://c2tonyc2 LinkedIn://c2tonyc2

## COURSEWORK

#### **UNDERGRADUATE**

Structure and Interpretation of Programs (Lab Assistant)

Data Structures

(Lab Assistant)

Machine Structures

Discrete Math and Probability Theory Information Systems and Devices Artificial Intelligence

Productive Use of the Unix Environment

# SKILLS

#### **PROGRAMMING**

Experienced:

Java • Python • Django

Proficient:

C • Shell • Git • JavaScript •

CSS • HTML

Familiar:

C++ • SQL • Ruby on Rails • Bootstrap

### **EXPERIENCE**

### **UC BERKELEY ACADEMIC INTERN** | LAB ASSISTANT

- Assisted in the development of a robust program to automatically grade assignments for undergraduate CS courses.
- Cooperated with other staff members to prepare, review, and debug course programs and class projects.
- Tutored various students to facilitate their understanding of core CS concepts.

### MCORELAB | SOFTWARE ENGINEERING INTERN

June 2014 - Aug 2014 | Reno, NV

- Extended API of the OpenStack Project (Horizon and Nova) to include various new user tools.
- Led the development of GUI and web framework for a memcached management platform.
- Automated product installation and patching on remote servers with Shell/Batch to ensure seamless user experience.
- Scripted SR-IOV vNIC attachments and one-to-one vCPU affinity assignments to take advantage of 10 Gigabit Ethernet.
- Adapted in ifile parser to allow users to customize default cloud configuration settings and launch parameters for instances.
- Implemented a flat file database for users to store and display information about connected compute nodes.

### **AIR OUALITY SENSORS** | Undergraduate Research Apprentice

Februrary 2016 - Present | Berkeley Institute of Data Science

- Collecting telemetry from various air quality sensors and run comparisons against EPA readings as a baseline.
- Applying machine learning algorithims on the sensor data to improve data to best match the control (EPA).
- Visualizing data and make it publicly accessible as a web application.

## **PROJECTS**

#### 24

- Developed a GUI for the popular card game 24 using desktop graphics and the Java Standard Library.
- Includes an algorithm designed returns all possible permutations of a solution for any randomly given set of cards.

#### CABINET

- A file system utility, built with Python, designed to allow users to quickly sort messy directories or file management.
- Command line utility included with a variety of options/arguments to offer additional flexibility.

## **AWARDS**

2014 Regents' and Chancellor's Scholar

2014 Rose Hills Foundation Science and Engineer Scholar