

# Tony Situ

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## EDUCATION

### UC BERKELEY

**BS IN ELECTRICAL ENGINEERING AND  
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

Jan 2015 – Present | Berkeley, CA

- 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 ini file 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.

## 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.
- Features a rule system which allows users to conveniently save and load a customized sort for repeated future usage.
- 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