

## EDUCATION

2014-2018

### UC Berkeley

Computer Science

2010 - 2014

### Ontario High School

4.53 Cumulative Weighted GPA  
Summa Cum Laude

## EXPERIENCE

Aug. - Dec 2015

### UC Berkeley

*CS10 Lab Assistant*

Guide CS10 students through labs, homework assignments, and projects in weekly section.

Aug. - Dec 2014

### Cal Rotaract

*Historian Intern*

Documented events by using Adobe video software to compile media for Rotaract, the oldest and most renowned service organization.

## AWARDS

2014

### Jag Pin

Awarded to top 4 people of the graduating class.

## PROJECTS

### Scribble

*Android, Java*

Developed an Android application designed to seamlessly take a photo, annotate with creative tools, and share with friends/family. Scribble is built to fill the lack of simple photo annotation features in social applications such as text messaging and emailing.

### Buffer Overflows

*C, Python, VirtualBox*

Writing python scripts that take advantage of buffer overflows, off-by-one, and ret2eax to bypass ASLR into exploiting vulnerable C code and getting access to unauthorized accounts.

### CAPoets

*Ruby, Rails, HTML, CSS, RSpec, Capybara*

Created a web application with Ruby on Rails for the nonprofit company, California Poets in the Schools. Employed behavior-driven and test-driven methodology using RSpec and Capybara.

### Gitlet

*Java, JUnit*

Designed and implemented a portable version-control system with local git functionality (commit, branch, merge, reset, etc.) using Java. Works whenever Gitlet files are in any local directory.

## COURSEWORK

- User Interface Design
- Concepts in Computing with Data
- Efficient Algorithms and Intractable Problems
- Computer Security
- Artificial Intelligence
- Database Systems
- Software Engineering
- Machine Structures (Computer Architecture)
- Discrete Mathematics and Probability Theory
- Data Structures and Algorithms
- Structure and Interpretation of Computer Programs

## SKILLS

### Programming

Java • Python • SQL • C • C#

### Web Development

HTML • CSS • Ruby on Rails

### Tools

Android Studio • Unity • Git  
• Linux • Windows • MacOS •  
Microsoft Office • Photoshop •  
R-Studio

### Languages

English • Vietnamese