Kevin Vo

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EDUCATION

2014-2018
University of California, Berkeley
Computer Science

2010 - 2014
Ontario High School
Summa Cum Laude

EXPERIENCE

Aug. - Dec 2015

UC Berkeley
CS10 Lab Assistant
Guide CS10 students through labs, homework assignments, and projects in weekly section. Demonstrate knowledge of python in order to facilitate one of the largest intro CS courses at Berkeley.

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.

PROJECTS

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

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.

Empty Mourning Band Page ⬀
HTML, CSS, JS, JQuery, React
Prototyped and developed a landing page for a local band, Empty Mourning. The site features access to all their music streaming outlets, show dates, and recent music videos. The page also displays a live photo feed using the Instagram API.

Buffer Overflows ⚙
Python
Wrote python scripts that take advantage of buffer overflows against a VM. It exploits traditional buffer overflows, as well as bypassing modern defenses (off-by-one, and ret2eax to bypass ASLR). Includes example scripts injecting a dummy shellcode and visualizations of the memory stack.

COURSEWORK

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

SKILLS

Programming
Java • Python • SQL • C • R

Web Development
HTML • CSS • JS • React

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