

WOOHYUN MICHAEL JO

+1) 510-345-8282
woohyun7878@berkeley.edu
linkedin.com/in/woohyunmjo

Berkeley, CA
woohyunmjo.com
github.com/woohyun7878

EDUCATION

B.A. Computer Science | **University of California, Berkeley**
Graduation Term (Projected): Spring 2023
GPA: 3.96/4.0

Relevant Coursework | Computer Programs, Data Structures, Discrete Mathematics and Probability Theory, Statistics, Machine Structures, Database Systems, Information Devices and Systems

SKILLS

Python, Java, SQL, C, Flask, Django, JavaScript, HTML, CSS, LaTeX, Jinja, MIPS, RISC-V, Lisp, Creative Cloud, SketchUp

WORK EXPERIENCE

FASOO | Software Engineering Intern June — August 2021
Full Stack • Cybersecurity

- Constructed a user-authenticated Python Flask web application with intentionally hidden security vulnerabilities — Project PyFlaGoat.
- Deployed a securing mechanism to remediate every OWASP vulnerability in PyFlaGoat.
- Tested, implemented, and improved static Python checkers in Sparrow SAST, an intelligent application security testing solution.

SJF (Shinjin Furnace Machinery) | Communications Intern June — August 2018
Technical Translation • Korean, English

- Translated technical communication to and from North America, Europe, and East Asia (SCR system, dioxin catalyst, and ceramic equipment).

PROJECTS

AccuLimit | git.io/J1kEB August 2021
Personal Project • Python

- Created a Darwin application that protects the host's battery health by modifying the root SMC and limiting the maximum battery charge.
- Quality tested on Intel Macs and regularly utilized by colleagues for energy-intensive operations, such as gaming or video editing.

PyFlaGoat | git.io/J1kEz June 2021 — August 2021
Professional Project (Fasoo) • Python, Flask, SQL, HTML5, CSS3, JS

- Developed an intentionally vulnerable Flask application to test, improve, and update Sparrow, an intelligent S/DAST testing engine.
- As of August 2021, SonarQube detects 0% of the hidden security flaws of PyFlaGoat that Sparrow is now able to detect.

Genie Music Scraper | git.io/J1kEV July 2021
Personal Project (Browser Extension) • JS

- Implemented a browser extension that executes JavaScript commands to compile Genie Music playlists into classified plain text lists.

Portfolio | git.io/J1kEo March 2021 — Present
Personal Project (Website) • Bootstrap, HTML, CSS, JavaScript

- Built a static portfolio website using Bootstrap, HTML, CSS, and JavaScript at woohyunmjo.com.

Gitlet | git.io/J1kEA March 2021 — April 2021
Course Project (CS 61B: Data Structures) • Java

- Implemented a version-control system that employs hashed file serialization to mimic some of the basic features of the popular system Git.

Moneythings | bit.ly/3Ci5hJx June 2018 — March 2020
Personal Project (YouTube) • Flat Animation Motion Graphics • After Effects, Illustrator, Audacity

- Produced bite-sized, flat-animation infographics using After Effects CC as a complement to my independent study in motion graphics.

ACTIVITIES

UPE Computer Science Honor Society | PR Committee September 2021 — Present

Habitat for Humanity (HFH) | President, Volunteer Coordinator September 2017 — May 2020

- Built multiple homes for the homeless in Thailand and South Korea; Raised and donated \$12,000 USD to HFH Korea during my tenure as president.

Ra-On (KA Rock Band) | Lead Guitarist September 2021 — Present

Future Business Leaders of America (FBLA) | Vice President September 2016 — May 2020

- Global Youth Entrepreneurship Challenge Winner, Korea Business Competition Grand Champion (2), Recognition by the Korean National Assembly

Speech & Debate Club (Forensics) | Mentor September 2016 — May 2020

- Cornell-Yonsei Invitational Grand Champion, NSDA Korea Nationals 3rd Place, Recognition by the Korean National Assembly