

WOOHYUN MICHAEL JO

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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, Lisp, Flask, Django, Jinja, JavaScript, HTML, CSS, LaTeX, After Effects, Illustrator, Photoshop, SketchUp

WORK EXPERIENCE

FASOO | Software Engineering Intern

Full Stack • Cybersecurity • Summer 2021

- Construct a Python Flask Testapp for static/dynamic application security testing. Test, implement, and improve SAST Python checkers in Sparrow SAST, an intelligent application security testing solution — please refer to project PyFlaGoat for more information.

SJF (Shinjin Furnace Machinery) | Communications Intern

Technical Translation • International Communication • Summer 2018

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

PROJECTS

AccuLimit | August 2021

Personal Project • Python

- Created a Darwin application that protects your Mac's battery health by limiting the maximum battery charge.

PyFlaGoat | June 2021 — August 2021

Professional Project (Fasoo) • Python, Flask, SQL, HTML5, CSS3, JS

- Developed an intentionally vulnerable flask application for static/dynamic security testing; security flaws were deliberately implemented inconspicuously to emulate real-world vulnerabilities (as of 2021, SonarQube is unable to detect the security flaws of PyFlaGoat).

Genie Music Scrapper | July 2021

Personal Project (Browser Extension) • JS

- Implemented a browser extension that injects JavaScript commands to compile your Genie Music playlist into a plain text list.

Personal Website | March 2021 — Present

Personal Project (Website) • Bootstrap, HTML, CSS, JavaScript

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

Moneythings | June 2018 — March 2020

Personal Project (YouTube Channel) • Flat Animation Motion Graphics • After Effects, Illustrator, Audacity

- Created bite-sized, flat-animation infographics content produced via After Effects CC as a complement to motion graphics independent study.

Metaport | May 2018

Team Project • Global Youth Entrepreneurship Challenge • SketchUp

- Proposed and designed a 3D model of an urban transportation system powered by electricity from human-waste MFCs.

ACTIVITIES

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

- Oversaw all internal and external operations and organized teams to build homes in Thailand and South Korea.
- Raised and donated \$12,000 USD to Habitat for Humanity Korea during my tenure as president.

Upsilon Pi Epsilon (UPE) | PR Committee | September 2021 — Present

The National Society of Leadership and Success (NSLS) | Nominee | September 2021

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

Computer Science Undergraduate Association (CSUA) | Member | August 2020 — Present

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