WOOHYUN MICHAEL JO

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EDUCATION

B.A. Computer Science | **University of California, Berkeley**
GPA: 3.96/4.0

Relevant Coursework | Computer Science Principles, Data Structures, Computer Programs, Discrete Mathematics and Probability Theory, Machine Structures, Software Engineering, Statistics

SKILLS

Java, Python, SQL, C++, Flask, Django, Jinja, JavaScript, HTML, CSS, Git, LaTeX, Scheme, After Effects, Illustrator, Markdown

WORK EXPERIENCE

FASOO| Software Engineering Intern
Full Stack • Cybersecurity • Summer 2021

- Construct a Python Flask Testapp for Sparrow SAST and DAST development. Test, implement, and improve Sparrow SAST Python checkers.

USHER Inc.| Content Marketer & TA
Content Marketing & English Instruction • Private Education • Summer 2020

- Content marketing & English instruction(ETS/Civil Service Exam - ROK) for professional development

Shinjin Machinery Industry Co. Ltd.| Communications Intern
Technical Translation • R7 Technology • Summer 2018

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

PROJECTS

AccuLimit| August 2021
Personal Project • Python

- Developed a Python script with a visual interface that protects your Mac's battery health by limiting the maximum battery charge.

PyFlaGoat | June 2021 — August 2021
Professional Project (Fasoo, Sparrow) • Python, Flask, SQL, HTML5, CSS3, JS

- Implemented an intentionally vulnerable flask application for static/dynamic security testing development and public cybersecurity education. The web application explains and demonstrates each vulnerability and the corresponding mitigation strategies as enumerated by OWASP.

Genie Music Scrapper | July 2021
Personal Project (Browser Extension) • JS

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

Gitlet | March 2021 — April 2021
Academic Project (CS61B) • Java

- Implemented a version-control system that mimics some of the basic features of the popular system Git.

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 microbial fuel cells that treat human urine in public restrooms.

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.

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

- Global Youth Entrepreneurship Challenge Winner, Korea Business Competition Grand Champion (2)

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

Speech & Debate Club (Forensics)| Coach's Choice **|** September 2016 — May 2020

- Cornell-Yonsei Invitational Grand Champion, NSDA Korea Nationals 3rd Place, Recognition by the Korean National Assembly (2)