

# 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, 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.

**ESKO R7 Technology** | Business Intern

Technical Translation • R7 Technology • Summer 2018

- Technical (SCR system, dioxin catalyst, and ceramic equipment) translator for international communication to China and the United States.

## PROJECTS

**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

- Created 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](https://woohyunmjo.com).

**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.

**Scheme Interpreter** | November 2020 — December 2020

Academic Project (CS61A) • Python, Lisp (Scheme)

- Implemented a command line Python program that interprets Scheme (Lisp) code through syntactical and lexical analysis.

**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

- Proposed 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 3<sup>rd</sup> Place, Recognition by the Korean National Assembly (2)