

# NICHOLAS UNG

Full Stack Developer

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[LINKEDIN](#) | [PORTFOLIO](#) | [GITHUB](#)

## EDUCATION

Coding Dojo | *Full-Stack Developer Certificate*

Los Angeles | **Feb. 2023**

University of California, Los Angeles | B.S. in Molecular, Cellular & Developmental Biology

Los Angeles | **June 2021**

- GPA: 3.7
- **Specialization in Computing:** Advanced Programming in C++, Intro to Python, Digital Imaging & Processing, Biomodeling Basics

## TECHNICAL SKILLS

**Languages:** Python, Java, Javascript, C++, HTML, CSS, SQL  
**Frameworks/Libraries:** React, Flask, Node.js/Express, Spring

**Databases:** MySQL, MySQL Workbench  
**Tools:** AWS EC2, JSON, Git, Tailwind, Bootstrap, Trello, Balsamiq

## TECHNICAL EXPERIENCE

**SOFTWARE ENGINEER** (Volunteer) — *Sequence CyberSecurity*

July 2022 - Present

*Start-up that specializes in authorized penetration tests performed on computer systems to evaluate their security.*

- A founding member of the software team, collaborating remotely with 5 engineers in an agile environment using **JIRA** and **Figma** to build a full stack application.
- Owned the design, development responsive frontend pages using **React.js**, **CSS** and **HTML**, creating documentation for code reviews, leading functionality tests (**Unit**, **System**, **Integration tests**, **UAT**) and validation to align with User Requirement Specifications (**URS**)

**Undergraduate Researcher** | *Backus Lab at UCLA*

Los Angeles, CA | **Dec. 2019 - June 2021**

- Designed custom **Python scripts** to transform raw proteogenomics data into readable graphs that characterized predicted protein sequences of acquired cysteines in lab cell lines.
- Created a logo using **Canva** that was chosen by the principal investigator to be displayed on the lab website and team apparel.
- Collaborated with graduate students and doctoral candidates to make their data processing pipelines more efficient, allowing them more valuable to focus on their research.

## TECHNICAL PROJECTS

**EasyBook** | [Github](#)

**TECHSTACK:** Java, Spring Boot, Javascript, MySQL, Bootstrap, HTML, CSS, AWS EC2, Stripe API

*An E-Commerce Full-Stack Web App for users to loan out and rent books*

- Built end-to-end web application...
- implemented CRUD actions for books, searching the database from user input, and an admin dashboard
- **Enhanced user security by integrating** Spring Security to hash, a login and registration credentials
- integrated Stripe API to create a seamless checkout process for users
- setup and deployed website using AWS EC2
- Leveraged Bootstrap, CSS, and Javascript to add various interactive site features which enhanced user experience.

**FleaFlicker** | [Github](#)

**TECHSTACK:** Python, Flask, MySQL, Javascript, Bootstrap, HTML, CSS, AWS EC2

*Bug Tracking Software Web App*

- Engineered a responsive browser-based bug tracking tool using Python's Flask framework while integrating Javascript and Bootstrap for a dynamic user experience
- Designed an ER diagram to set up the schema for the database in MySQL Workbench
- Integrated & deployed Full Stack App with AWS EC2 for enhanced scalability and further improved user privacy & security by hashing passwords with Bcrypt npm package

## ADDITIONAL EXPERIENCE

**Learning Center Consultant** | *UCLA Residential Life*

Los Angeles, CA | **June 2018 - June 2020**

- Led a team of employees which maintained cloud-based printers in the university residential living area and resolved 300+ technical issues reported by students using the printer service
- Facilitated engagement between students and tech companies during a campus-wide "Tech Week"