NICHOLAS UNG

Full Stack Developer

(323) 365 - 3339 | nung@ucla.edu
LINKEDIN | PORTFOLIO | GITHUB

SUMMARY

Software developer with over 5 years of experience in healthcare, biology, and customer service. Action-oriented and agile leader with a passion for technology and communication. A problem solver seeking opportunity to leverage exceptional soft skills, creativity, and burgeoning technical software knowledge to create meaningful solutions for issues that impact the world.

EDUCATION

Coding Dojo | *Full-Stack Developer Certificate in Python, Java, and MERN*   **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, 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

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
- Provided graduate students and doctoral candidates valuable time to focus on their research by collaborating via Jupyter Notebook to automate their data processing pipelines with **Python scripting**

TECHNICAL PROJECTS

FleaFlickr | Java, Spring Boot, Javascript, MySQL, Bootstrap, HTML, CSS, AWS EC2   Previously Deployed | Github
Issue Tracking and Project Management Web App

- Built end-to-end web application by implementing CRUD actions for projects and tickets developed with OOP
- Allowed users to freely join & leave project teams by integrating many-to-many relationship in MySQL database with Spring JPA
- Leveraged scalability, reliability, and flexibility of AWS EC2 to deploy the site
- Ensured code was modular, maintainable, and scalable by using the Spring MVC architectural pattern
- Enhanced user experience by leveraging Bootstrap, CSS, and Javascript to add various interactive site features

Chow Counter | Javascript, React, Express, TailwindCSS, Node.js, AWS EC2   Previously Deployed | Github
Calorie-Tracking App with tools to discover restaurants and recipes

- Engineered a calorie-tracking tool that allows users to search a comprehensive food database provided by the Edamam API
- Developed an intuitive interface for users to discover new restaurants and recipes by integrating the Yelp API and Spoonacular API into custom generators that traverse their respective databases to yield the desired information
- Increased user immersion by implementing responsive web design to accommodate multiple screen sizes and utilizing TailwindCSS to bolster site interactivity
- Employed the practices of iterative delivery and continuous improvement used in Agile development to quickly scale site features

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 10 tech companies during a campus-wide "Tech Week" through social media campaigning and an in-person fair that allowed participants to interact with each company's newest technologies