NICHOLAS UNG

Full Stack Developer

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LINKEDIN | PORTFOLIO | GITHUB

SUMMARY

Action-oriented software engineer looking to leverage background in multiple coding languages and experience building websites from the ground up to help a company achieve its organizational goals. Specializes in Javascript, Python, and Java. Professional strengths include time management, written & verbal communication, and creative problem-solving. People-focused mindset from 5+ years of experience in healthcare, biology, and customer service.

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, Cell and 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
- Automated lab data-processing pipelines with Python scripting, leading to a **50% increase in efficiency** that allowed graduate students and doctoral candidates more valuable time to focus on their research projects

TECHNICAL PROJECTS

FleaFlickr | Java, Spring Boot, Javascript, MySQL, Bootstrap, HTML, CSS, AWS EC2   *Previously Deployed* | Github

Issue Tracking and Project Management Web App

- Developed a robust end-to-end application with OOP principles, implementing CRUD actions for projects and tickets
- Enabled seamless team joining and leaving by integrating many-to-many relationships in MySQL database through Spring JPA
- Leveraged Agile development methodologies to quickly and efficiently scale site features and functionality
- Utilized the Spring MVC architectural pattern to maintain modular, scalable, and maintainable code
- Improved user experience by integrating Bootstrap, CSS, and Javascript to add interactive site features

Chow Counter | Javascript, React, Express, TailwindCSS, Node.js, AWS EC2   Live Demo | Github

Calorie-Tracking App with tools to discover restaurants and recipes

- Designed and developed a calorie-tracking tool using the Edamam API, increasing user engagement and satisfaction with product
- Integrated the Yelp and Spoonacular APIs to create custom generators, allowing users to easily discover new restaurants & recipes
- Enhanced user experience by utilizing TailwindCSS and implementing responsive web design to improve site interactivity across multiple device types, resulting in a 98 Performance rating on Google PageSpeed Insights
- Leveraged scalability, reliability, and flexibility of AWS EC2 to successfully deploy the website

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