NICHOLAS UNG

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SUMMARY

Full-stack software engineer with experience in healthcare, biology, and customer service. Proficient in several programming languages. Seeking a collaborative team role with opportunities for leadership and continued skill development.

EXPERIENCE

PolicyEngine   Los Angeles, CA
Software Engineer Volunteer   *Mar 2023 – Present*
• Build software infrastructure to deploy a tax-benefit model that calculates the impact of policy reforms onto a web app for public use.

Arase Family Dentistry   Arcadia, CA
Dental Assistant   *Aug 2021 – Jun 2022*
• Maintained a clean, comfortable, and organized environment for dental procedures, contributing to patient satisfaction.
• Captured over 60 accurate dental X-rays per week, freeing up time for the dentist to perform critical administrative tasks.
• Managed patient health records and appointment schedules with efficient software systems, allowing the office to run smoothly.

Backus Lab at UCLA   Los Angeles, CA
Undergraduate Researcher   *Dec 2019 – Jun 2021*
• Coded Python scripts to transform raw proteogenomic data into readable graphs that characterized predicted protein sequences.
• Automated lab data-processing pipelines with Python scripting, increasing efficiency by 50%, which reduced researcher workloads.
• Created a logo with Canva that was chosen by the principal investigator for our website and team apparel.

UCLA Residential Life   Los Angeles, CA
Learning Center Consultant   *Jun 2018 – Jun 2020*
• Led a team which maintained cloud-based printers and resolved more than 300 technical issues reported by students.
• Provided tech support to students by answering over 50 questions per week covering computers, game systems and music equipment.
• Recruited 10 tech companies to join our campus-wide "Tech Week." Organized an in-person fair that allowed students to interact with each company's newest technologies and promoted it via a social media campaign.

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.
• Employed Agile development methodologies to scale site features and functionality quickly and efficiently.
• 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, Tailwind, Node.js, AWS EC2   [Live Demo](#) | [GitHub](#)
Calorie-Tracking App with tools to discover restaurants and recipes
• Integrated the Yelp and Spoonacular APIs to create custom generators, allowing users to easily discover new restaurants & recipes.
• Leveraged scalability, reliability, and flexibility of AWS EC2 to successfully deploy the website.
• 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.

EDUCATION

Coding Dojo | *Full-stack Developer Certificate in Python, Java and MERN*   *Feb 2023*

University of California, Los Angeles (UCLA)
Bachelor of Science (B.S.) in Molecular, Cell and Developmental Biology, Specialization in Computing   *Jun 2021*
• **GPA:** 3.7/4.0 | **Coursework:** Advanced Programming in C++, Intro to Python, Biomodelling Basics, Digital Imaging & Processing

SKILLS

Languages: Javascript, Python, Java, HTML, CSS, SQL, C++ | **Frameworks/Libraries:** React, Flask, Node.js/Express, Spring
Databases: MySQL, MongoDB | **Tools:** AWS EC2, JSON, Git, Tailwind, Bootstrap, MySQL Workbench, Mongoose, Trello, Jira

HOBBIES & INTERESTS

Competing in Marathons and Triathlons, Dragon Boat, Powerlifting, Cycling, Reading, Board Games, Cooking, Hiking, Eagle Scout