

NICHOLAS K. UNG

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SUMMARY

Full-stack software engineer with experience in healthcare, technical support, and customer service. Seeking a collaborative team role to help a company achieve its goals.

EXPERIENCE

Software Engineer, Volunteer

Mar 2023 – Present

PolicyEngine

Remote

- Implemented responsive design principles to enhance frontend architecture of the app, leading to a 15% increase in user engagement.
- Enabled over 3000 users to visualize impact of policy reforms by deploying a tax-benefit model, API endpoint, and React-based UI.

Dental Assistant

Aug 2021 – Jun 2022

Arase Family Dentistry

Arcadia, CA

- Managed a clean, comfortable, and organized environment for dental procedures, contributing to patient satisfaction.
- Performed over 60 accurate dental x-rays per week, freeing up time for the dentist to complete critical administrative tasks.
- Maintained patient health records and appointment schedules with efficient software systems, allowing the office to run smoothly.

Undergraduate Researcher

Dec 2019 – Jun 2021

Backus Biochemistry Research Lab at UCLA

Los Angeles, CA

- Programmed 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 selected by the principal investigator for our website and team apparel.

Learning Center Consultant

Jun 2018 – Jun 2020

UCLA Residential Life

Los Angeles, CA

- Supervised a team which maintained cloud-based printers and resolved more than 300 technical issues reported by students.
- Recruited 10 tech companies to join our campus-wide “Tech Week.” Coordinated an in-person fair that allowed students to interact with each company’s newest technologies. Oversaw social media promotion for the event, resulting in a 30% increase in attendance.

PROJECTS

FleaFlickr | Tech Stack: Java, Spring Boot, Javascript, MySQL, Bootstrap, HTML, CSS, AWS EC2

[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.
- Improved user experience by integrating Bootstrap, CSS, and Javascript to add interactive site features.

Chow Counter | Tech Stack: 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 to deploy the application to an EC2 instance by using SSH, securely transferring files, installing dependencies, and configuring the environment for successful execution.
- Enhanced user experience by utilizing TailwindCSS and implementing responsive web design to improve site interactivity across multiple device types, generating 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, Biomodeling Basics, Digital Imaging & Processing
- **Honors:** Dean’s Honor List, Club Sports Scholar Athlete, National Merit Scholar Finalist

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

Marathons, Triathlons, UCLA Dragon Boat Team, Volunteering, Eagle Scout