NICHOLAS UNG

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SUMMARY

Collaborative, proactive software engineering professional committed to achieving company goals by discovering simple solutions to abstract problems. Actively looking to leverage strong communication skills to help peers improve and produce wins for teammates.

EXPERIENCE

Software Engineer — **Mar 2023 – Present**
PolicyEngine — *Remote*
- Increased user engagement by 15% by integrating responsive web design principles into the tax-benefit calculator dashboard.
- Worked on a 2-month project to update the user interface of the web app. Followed a sprint process, maintained a customer-centric vision, and collaborated with the UI/UX design team to focus on solving the biggest problems and keeping changes consistent.
- Measured impact of policy reforms for over 3000 users by deploying a microsimulation model, API endpoint, and React-based UI.

Web Developer — **May 2023 – Jul 2023**
re:Bloom – Client, Infinite Lifestyle Solutions (www.infinitelifestylesolutions.org) — *Remote*
- Built a functional, visually appealing, and modern website by collaborating with the client to understand their needs and goals.
- Executed software development process in an Agile/Scrum environment with daily stand-ups, sprint planning, and retrospectives.
- Drove a 20% surge in search rankings and a 25% upswing in organic traffic through adept implementation of SEO strategies.
- Conveyed project's decision-making process and positive outcomes to non-technical stakeholders in an engaging oral presentation.
- Achieved a 90% satisfaction rate among website visitors by resolving all usability issues identified through user testing.

Undergraduate Researcher — **Dec 2019 – Jun 2021**
Backus Biochemistry Research Lab at UCLA — *Los Angeles, CA*
- Engineered scripts to transform raw proteogenomic data into over 50 readable graphs that characterized predicted protein sequences.
- Reduced researcher workloads by 50% by automating the lab data-processing pipelines with Python scripting to improve efficiency.
- Spearheaded creation of a lab logo in Canva that was selected by the principal investigator for use on apparel and the team website.

Learning Center Consultant — **Jun 2018 – Jun 2020**
UCLA Residential Life — *Los Angeles, CA*
- Resolved over 500 technical issues reported by students while supervising a team that serviced 25 cloud-based printers on campus.
- Recruited 10 tech companies for a showcase during a school-wide "Tech Week", which yielded a 30% increase in event attendance when coupled with a creative and innovative social media campaign.

PROJECTS

FleaFlickr | Tech Stack: Java/J2EE, Spring Boot, Javascript, MySQL, Bootstrap, HTML, CSS, AWS EC2 — GitHub
Issue Tracking and Project Management Web App
- Created a robust end-to-end application using object-oriented programming and incorporating CRUD actions for projects/tickets.
- Improved the modularity, scalability, and maintainability of the code base by implementing the Spring MVC architectural pattern.
- Streamlined project timeline by 10% through application of Kanban to oversee progress and foster behavior-driven development.

Chow Counter | Tech Stack: Javascript, ReactJS, Express, Tailwind, NodeJS, REST, AWS EC2 — GitHub
Calorie-Tracking App with tools to Discover Restaurants and Recipes
- Developed an adaptable interface powered by large-scale APIs (Yelp/Spoonacular) for users to discover new restaurants and recipes.
- Successfully deployed application to AWS EC2 instance by using SSH, securely transferring files, and configuring the environment.
- Attained a Google PageSpeed Insights performance rating of 98 by optimizing user experience with a scalable, flexible web layout.

EDUCATION

Coding Dojo — **Feb 2023**
- Certificate: *Full-stack Software Engineering in Python, Java and MERN*

University of California, Los Angeles (UCLA) — **Jun 2021**
- Major: *Bachelor of Science in Molecular, Cell and Developmental Biology (GPA: 3.67)* | Specialization (Minor): *Computing*
- Programming Coursework: *Advanced Programming in C++, Intro to Python, Biomodelling 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 | **Frameworks/Libraries:** React.js, Flask, Node.js, Express, Spring
Databases: MySQL, MongoDB | **Tools:** AWS EC2, JSON, Git, Tailwind, Bootstrap, MySQL Workbench, Mongoose, Trello, Jira

HOBBIES & INTERESTS

Marathons, Triathlons, Los Angeles Sports Teams, Dragon Boat, Volunteering