NICHOLAS UNG

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PROFESSIONAL EXPERIENCE

Software Engineer   **March 2023 – Present**
PolicyEngine   *Los Angeles, CA*
• Increased user engagement by 15% by integrating responsive web design principles into the tax-benefit calculator dashboard.
• Collaborated on a project to update the user interface of the web app that followed a sprint process, maintained a customer-centric vision, and worked directly 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 through a web app with a React-based UI, API endpoint, and Flask backend.

Software Engineer   **May 2023 – July 2023**
re:Bloom – Infinite Lifestyle Solutions (www.infinitelifestylesolutions.org)   *Pittsburgh, PA*
• 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   **December 2019 – June 2021**
Backus Biochemistry Research Lab at UCLA   *Los Angeles, CA*
• Engineered scripts to transform raw proteogenomic data into 48 readable charts that characterized predicted protein sequences.
• Spearheaded creation of a lab logo in Canva that was selected by the principal investigator for use on apparel and the team website.
• Reduced researcher workloads by 50% by automating the lab data-processing pipelines with Python scripting to improve efficiency.

Learning Center Consultant   **June 2018 – June 2020**
UCLA Residential Life   *Los Angeles, CA*
• Resolved over 500 technical issues related to cloud-based printers across 25 units, leading to a 40% boost in student approval rating.
• Recruited 10 companies for school-wide tech showcase and led an advertising campaign that increased event attendance by 30%.

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.

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

EDUCATION

Coding Dojo   **October 2022 – February 2023**
• 5-month boot camp with over 1000 hours of coding that covered full-stack software engineering, algorithms

University of California, Los Angeles (UCLA)   **September 2017 – June 2021**
• Major: *Bachelor of Science in Molecular, Cell and Developmental Biology (GPA: 3.7)* | Specialization (Minor): *Computing*
• Programming Coursework: *Advanced Programming in C++, Intro to Python, Biomodelling Basics, Digital Imaging and Processing*
• Publications: *Multi-omic stratification of the missense variant cysteinome, 2023.* | Honors: *Dean's Honor List*

HOBBIES & INTERESTS

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