Nicholas K. Ung

323-365-3339
nicholasung22@gmail.com
linkedin.com/in/nicholas-ung
nung22.github.io/portfolio
github.com/nung22

RELEVANT EXPERIENCE

Open-Source Software Engineer

Amazon   *Sep 2023 - Ongoing*

- Contributed to the Dashboards Search Relevance plugin under the OpenSearch project.
- Implemented development improvements in React and Typescript for features reaching XX thousand customers.
- Worked with senior developers to integrate the OpenSearch UI framework into the app which improved site accessibility.

Open-Source Software Engineer

PolicyEngine   *Mar 2023 - Ongoing*

- Increased user engagement by 15% by integrating responsive web design principles into tax-benefit calculator dashboard.
- Collaborated with the UI/UX design team to overhaul the PolicyEngine site frontend using React, CSS, and Javascript.
- Measured impact of policy reforms for over 3000 users with a web app utilizing a React UI, API endpoint, and Flask backend.

Volunteer Web Developer

re:Bloom   *May 2023 - Jul 2023*

- Rebuilt a 6-year-old website for a nonprofit organization in the no/low-code platform Wix with a full user experience redesign to release a minimum viable product in 2 months.
- Executed SDLC 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 implementation of SEO strategies.
- Achieved a 90% satisfaction rate among website visitors by resolving all usability issues identified through user testing.
- Conveyed project's decision-making process and outcomes to non-technical stakeholders in an engaging oral presentation.

EDUCATION

Certificate in Software Development

Coding Dojo   *Oct 2022 - Feb 2023*

- 5-month coding bootcamp with over 1000 hours covering full-stack web development, algorithms, and data structures.

B.S. in Biology with Specialization in Computing

University of California, Los Angeles   *Sep 2017 - Jun 2021*

- **GPA**: 3.7 | **Achievements**: Dean's Honor List
- **Programming Courses**: Advanced Programming in C++, Intro to Python, Biomodelling Basics, Digital Imaging and Processing
- **Publications**: *Multi-omic stratification of the missense variant cysteinome, 2023.*

SKILLS

Languages

- Javascript, Typescript, Python, Java, C++, HTML, CSS, SQL

Databases

- MySQL, MongoDB

Frameworks & Libraries

- React.js, Flask, Node.js, Express, Spring, Bootstrap, MaterialUI, Next.js, Tailwind, Mongoose

Development & Operations

- Jest, Scrum, Agile, Git, AWS EC2, Vite, Trello, Jira

PROJECTS

FleaFlickr   GitHub

Issue-Tracking and Project Management Tool

- Created a robust end-to-end application by using OOP and incorporating CRUD actions for projects/tickets.
- Improved modularity, scalability, and maintainability of code base by implementing the Spring MVC architecture.
- Streamlined project timeline by 10% by using Kanban to oversee progress and promote iterative development.
- **Tech Stack**: Java/J2EE, Spring Boot, Javascript, MySQL, Bootstrap, HTML, CSS, AWS EC2

Chow Counter   GitHub

Restaurant & Recipe Discovery Tool with Calorie-Tracker

- Developed an adaptable interface powered by large-scale APIs (Yelp/Spoonacular) for users to discover new restaurants and recipes.
- Executed successful deployment of 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 flexible web layout.
- **Tech Stack**: Javascript, ReactJS, Express, Tailwind, NodeJS, REST, AWS EC2

HOBBIES & INTERESTS

- Contributing to Open-Source
- Los Angeles Sports Teams
- Volunteering
- Marathons
- Triathlons
- Eagle Scout