

# NICHOLAS K. UNG

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## EXPERIENCE

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### Software Engineer, Volunteer

Mar 2023 – Present

*PolicyEngine*

*Remote*

- Enhanced frontend architecture of React web app with responsive design principles, resulting in a 15% increase in user engagement.
- Measured the impact of policy reforms for over 3000 users by deploying a tax-benefit model, API endpoint, and React-based UI.

### Web Developer, Volunteer

May 2023 – Present

*re:Bloom – Client, Infinite Lifestyle Solutions ([www.infinitelifestylesolutions.org](http://www.infinitelifestylesolutions.org))*

*Remote*

- Created a functional, visually appealing website by collaborating closely with the client to understand their needs and goals.
- Produced a 90% satisfaction rate among website visitors by resolving all usability issues identified through user testing.

### Dental Assistant

Aug 2021 – Jun 2022

*Arase Family Dentistry*

*Arcadia, CA*

- Freed up critical time for the dentist to work on administrative tasks by performing over 60 accurate dental x-rays per week.
- Achieved a 30% reduction in time required to update patient records and schedule appointments by overhauling clerical procedures.

### Undergraduate Researcher

Dec 2019 – Jun 2021

*Backus Biochemistry Research Lab at UCLA*

*Los Angeles, CA*

- Engineered scripts to transform raw proteogenomic data into readable graphs that characterized predicted protein sequences.
- Reduced researcher workloads by 50% through automation of lab data-processing pipelines with Python scripting.
- Conceptualized and created a logo with Canva that was selected by the principal investigator for the lab website and team apparel.

### Learning Center Consultant

Jun 2018 – Jun 2020

*UCLA Residential Life*

*Los Angeles, CA*

- Resolved over 300 technical issues reported by students while supervising a team responsible for maintaining cloud-based printers.
- Recruited 10 tech companies for a showcase during campus-wide “Tech Week”, spurring a 30% increase in event attendance through effective social media promotion.

## PROJECTS

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**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.
- Participated in Agile development methodologies, including daily standups, sprint planning, and retrospectives.

**Chow Counter** | Tech Stack: Javascript, React, Express, Tailwind, Node.js, AWS EC2

[GitHub](#)

*Calorie-Tracking App with tools to discover restaurants and recipes*

- Enabled users to easily discover new restaurants and recipes by integrating the Yelp and Spoonacular APIs.
- Successfully deployed the application to an AWS EC2 instance by using SSH, securely transferring files, installing dependencies, and configuring the environment for proper execution.
- Enhanced user experience with scalable and adaptive web layout, achieving a 98 Performance rating on Google PageSpeed Insights.

## EDUCATION

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### Coding Dojo

Feb 2023

- **Certificate:** Full-stack Software Development in Python, Java and MERN
- **Honors:** Special Recognition during organization-wide Project Week

### 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

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**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

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Marathons, Triathlons, Dragon Boat, Volunteering, Eagle Scout