Nathan Lin

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EDUCATION

University of California, Los Angeles **Los Angeles, CA**

Bachelor of Science in Engineering in Computer Science *June 2024*

Cumulative GPA: 3.9/4.0, Dean's Honors List, Upsilon Pi Epsilon Honors Society

Coursework: Artificial Intelligence, Computer Network Fundamentals, Data Science, Operating Systems Principles, Algorithms & Complexity, Programming Languages, Software Construction, Computer Organization, Digital Systems

EXPERIENCE

Indeed **Austin, TX**

Site Reliability Engineer Intern *June 2022 – Present*

- Created SRE-designed Service Catalog Kanban application that displays offered services in a searchable list
- Automated JIRA tickets to help Indeed teams improve consistency and efficiency when managing projects
- Migrated Service Catalog out of AUS datacenter to utilize Indeed's availability zones, using Terraform to configure Aurora clusters, Kian to manage AWS account, and Kubernetes tool to test in QA and Production
- Managed Docker, Elasticsearch, MySQL, and Redis dependencies and updated properties in Elastic Cloud
- Incorporated built-in GitLab CI/CD and removed manual Jenkins build and deploy processes

Cisco Systems Inc. **Milpitas, CA**

Software Engineer Intern *June – September 2021*

- Developed Media Quality Survey UI tool with Flask to collect data on Cisco Webex's video and audio quality
- Resolved parsing issues on daily Jenkins job server to automatically generate Quality Survey webpage
- Designed dynamic website to collect user input on sound quality compared to preferred Webex sounds
- Reorganized database routing algorithm and decoupled Kibana dependencies and Elasticsearch issues to make subjective score data storage more secure with an improved functionality of input JSON files

Santa Clara University – Leavey School of Business **Santa Clara, CA**

Data Analyst Intern *June – August 2020*

- Integrated Naive Bayes classification algorithm and utilized tokenization to increase accuracy of F1 score
- Created Twitter tweets spam/ham classifier using Python Pandas and Scikit-Learn libraries
- Tested LogisticRegression and DecisionTreeClassifier method with VotingClassifier module

ACTIVITIES/PROJECTS

LA Hacks, *Technology Director and Hackathon Organizer* *October 2021 - Present*

- Organized largest collegiate hackathon in Southern California, with over 1,000 participants each year
- Deployed mailing, application, and live site of hackathon website and managed PostgreSQL database
- Led developer and design team to create three websites using HTML/SCSS/JavaScript, React, and Figma

Daily Bruin – Bruinwalk, *Software Developer* *October 2021 - Present*

- Remodeled Bruinwalk site with 50,000 monthly users to review UCLA courses, professors, and apartments
- Utilized Django, Docker, Javascript, and other frontend frameworks to design search cards and dropdowns
- Created new full-stack component to automatically generate professor tags and course requirements

Retune, *UCLA DevX Backend Engineer* *October 2021 - Present*

- Developed mobile app using Spotify API and Google Maps API that allows users to share music with nearby listeners and recommend popular songs in the area to help college students connect
- Maintained MongoDB and constructed Spotify endpoints and object schemas using Mongoose and Node.js
- Released MVP and responded to requests by updating location and recently played songs more consistently

BruinBook, *Project Developer* *March - June 2021*

- Designed social media site for UCLA students to share, comment, and react to their network's posts
- Displayed dynamic user data using React to make axios calls to communicate with Node.js backend
- Stored account details in backend cloud MongoDB instance and referenced for login, logout, and signup

SKILLS

Programming Languages: Python, C/C++, Go, Java, SQL, HTML, CSS/SCSS, JavaScript, Lisp, Prolog, Bash, Verilog

Frameworks/Tools: Git, Linux, Flask, Docker, Django, MongoDB, Mongoose, PostgreSQL, React, Node.js, Express