

ALAN NGUYEN

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EXECUTIVE SUMMARY

Enthusiastic CAPM-certified team player with a strong foundation in project coordination, software development and IT solutions. Passionate about driving collaboration between technical and non-technical stakeholders as an active listener, effective communicator and efficient operational leader. Currently driving cross-organizational interoperability healthcare solutions at Epic Systems.

EDUCATION

University of California, Los Angeles

B.S. in Computational and Systems Biology – Data Science

Sep 2020 – Mar 2024

GPA: 3.86 (Dean's Honors List)

Relevant Coursework: Software Construction, Computer Organization, Data Science, Biostatistics

SKILLS AND CERTIFICATIONS

Certified Associate in Project Management, Project Management Institute

Feb 2025

Programming Languages: Python, C++, JavaScript, HTML/CSS/SCSS, Java, R, PHP

Tools: React, React Native, Git, Figma, Firebase, MongoDB, Node.js, Express.js, Linux, x86/64

EXPERIENCE

Epic Systems, *Technical Solutions Engineer*

Sep 2024 – Present

- Drive end-to-end IT operations for the Care Everywhere application, overseeing 20+ analysts across five U.S. hospitals while managing hundreds of open tickets across eight application instances
- Manage the implementation and maintenance of high-performance server systems responsible for the secure exchange of over 6 million patient records per month
- Enhance secure data exchange and standardized treatment alignment by leading cross-functional teams in interoperability projects including migration to the TEFCA network, implementation of FHIR-based networks and integration of “Happy Together” chart sharing
- Engage stakeholders to champion adoption of new technologies, align on strategic direction and define how Epic software can support long-term operational efficiency and clinical excellence

UCLA Asian American Studies Center, *Frontend Developer*

Jul 2023 – Mar 2024

- Developed the front-end interface for an interactive Asian American Studies textbook application, enabling access for 750+ Los Angeles public schools and supporting culturally inclusive education
- Improved code maintainability during future development cycles by migrating conventional style sheet structure to SCSS mixin directives, enhancing class reusability and reducing the number of CSS files
- Partnered with UX designers to assess component feasibility within the WordPress framework, developing and integrating custom components when design requirements exceeded platform limitations

TransCanWork, *Development Project Lead*

Oct 2022 – Sep 2023

- Bridged communication between non-technical client managers and the 8-person development team, translating agreed-upon features into actionable, code-ready sprint tasks
- Migrated an Excel spreadsheet logging employment and demographic data of 2500+ jobseekers into an interactive digital roadmap, increasing user satisfaction by 82%

PROJECTS

Junction of Statistics and Biology: SVM Classification, *Machine Learning Research Assistant*

- Planned and executed 6-month research capstone investigating the performance of a support vector machine classifying cells based off single-cell RNA sequencing data with varying class definitions
- Utilized NumPy, SciPy, pandas, Matplotlib and scikit-learn libraries to develop and test 26 individualized simulated datasets, each with 25,000+ cell entries from the Broad Institute

IDONTMIND, *Mobile Application Developer*

- Developed mobile mental health companion using React Native for 501(c)3 nonprofit IDONTMIND
- Iterated on features according to usability testing feedback resulting in a 17% increase in usability
- Implemented dynamic interval-based alert system, increasing visits to check-in pages