ALAN NGUYEN

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EXECUTIVE SUMMARY

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

EDUCATION

University of California, Los Angeles   **Sep 2020 – Mar 2024**
B.S. in Computational and Systems Biology – Data Science   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**
- Manage end-to-end IT support operations for the Care Everywhere application across five hospitals, troubleshooting builds, configuring system definitions and implementing quarterly software upgrades
- Lead 20 analysts in hospital interoperability initiatives, including migration to the TEFCA sharing framework, implementation of FHIR-based networks and integration of "Happy Together" chart sharing to promote secure data exchange under standardized treatment definitions
- Manage the implementation and maintenance of high-performance server systems responsible for the exchange of over 6 million patient records per month

UCLA Asian American Studies Center, *Frontend Developer*   **Jul 2023 – Mar 2024**
- Transformed high-fidelity wireframes into the frontend interface of an interactive Asian American Studies textbook application to be used in 750+ LA public schools
- Migrated conventional style sheet structure to SCSS mixin directives, increasing reusability of classes, reducing the number of CSS files and ensuring easy code maintenance during future development cycles
- Collaborated with UX design team to gauge component feasibility of Wordpress framework, developing and integrating custom components when necessary

TransCanWork, *Development 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

IDONTMIND, *Mobile Application Developer*
- Developed mobile mental health companion using React Native for 501(c)3 nonprofit IDONTMIND
- Re-developed 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 for logging users' moods, habits, activities and emotional states

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
- Crafted a research paper and poster for presentation at the Computational Biology research symposium