

# Khanh Truong

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## EDUCATION

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**California State University, Sacramento**

December 2023

**Bachelor of Science in Computer Science**

3.75 GPA

**Relevant coursework:** Web Programming, Data Structures and Algorithms, Introduction to Software Engineering, Database Management, Advanced Database Management, Advanced Algorithm Design & Analysis

**Honors & Awards:** Dean's Honors List

## SKILLS & CERTIFICATIONS

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- **Languages:** Java, HTML/CSS, Javascript/Typescript, Python
- **Frameworks/Tools:** Git, Next.js, MySQL, React.js, TailwindCSS, Linux, Django, Node.js, Flask, Spring Boot, Nginx, VSCode

## EXPERIENCE

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**California Department of Transportation - Transportation Engineer (Electrical)**

August 2023 - Present

- Increased CCTV uptime from 89.2% to 92% within one month by configuring IP information, port forwarding, and setup of modems, fiber hubs, and ethernet extenders
- Designed and implemented a user-friendly dashboard enabling engineers to efficiently monitor their assigned ITS elements, providing real-time status updates and instant notifications for any downtime occurrences
- Conducted comprehensive verification and remote programming of more than 20 Traffic Monitoring Stations (TMS), significantly reducing the need for field trips and effectively optimizing engineers' time across the team

**California Department of Transportation - Software Engineer Intern**

August 2022 - August 2023

- Streamlined engineers' tasks by creating a CCTV dashboard that allows quick configuration of CCTV streams, while also displaying crucial information such as connectivity status, IP addresses, stream file links, and filenames, eliminating the need for multiple page jumps and saving valuable time.
- Developed a time-saving tool for processing census files that served as a central data system, efficiently pulling information from various devices and enabling user-friendly data verification, eliminating the laborious task of manual line-by-line verification
- Revolutionized asset management across the district by creating a web-based platform to oversee over 2000 physical cabinets and more than 1600 elements, including CCTVs, TMSs, and CMSs, replacing the previous cumbersome Google Sheets method

## PROJECTS

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**The Local Bard**

[GitHub](#) | [View Project](#)

- Designed and launched a dynamic webpage akin to Yelp, featuring authentication capabilities for both theater managers and general users to provide reviews; the centerpiece being an interactive map showcasing local theaters and their productions in the area.
- Utilized: Next.js 13, TailwindCSS, Supabase, Typescript

**Tea-Rex**

[GitHub](#) | [View Project](#)

- Developed a multifunctional website for a local boba shop, empowering users to conveniently place online orders, access the menu, and obtain essential information while also serving as an efficient inventory tracking tool for the restaurant.
- Utilized: React.js, Express.js, TailwindCSS, Prisma, MySQL (Planet Scale), Typescript

**Lashed by Vienna - Eyelash Appointment Booking App**

[GitHub](#) | [View Project](#)

- Crafted a lash booking appointment app, enabling clients to seamlessly schedule appointments and access their portfolio, enhancing their experience and streamlining the booking process
- Utilized: Next.js 13, TailwindCSS, Typescript