

Alan Mathew

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EDUCATION

California Polytechnic, San Luis Obispo
Bachelor of Engineering, Major in Computer Science

San Luis Obispo, CA
Expected: 2029

PROJECT

Brilliant Consulting - Appointment Scheduling App **Summer 2025**

- Developed a **full-stack scheduling platform** with **Node.js, Express, EJS, CSS, and MongoDB** for a small tech consulting business.
- Implemented **secure user authentication and session management**, enabling persistent logins and account control without Mongoose.
- Built a **calendar-based booking system** with **time-slot selection, appointment creation, cancellation, and availability management**.
- Designed and integrated an **admin dashboard** to manage appointments, monitor user activity, and configure availability settings.
- Integrated **Stripe payment gateway** to securely process client transactions.
- Added **automated email notifications** using **Nodemailer.js** for booking confirmations, cancellations, both from users and admin side

TECHNICAL SKILLS

Skills: Python 3, JavaScript, Typescript, React, Node.js, Nodemailer.js, Express, MongoDB, HTML/CSS, Git, Github, Stripe API, EJS

LEADERSHIP & ACTIVITIES

Cal Poly, Hack4Impact - UI/UX Designer **Fall 2025**

- Design digital solutions for nonprofit organizations using Figma. Collaborate with development teams on social impact projects. Participate in weekly meetings and design workshops.

Roseville Energy Park - Operations Intern **Fall 2024 - Winter 2024**

- Collaborated with engineers to learn power plant operations, gained technical knowledge and built professional skills

West Park High School, Red Cross Club - Vice President **Fall 2024 - Spring 2025**

- Directed leadership meetings, developed creative marketing strategies, boosted member engagement, and honed time management, teamwork, and leadership skills.

West Park High School Tutoring - Paid Math Tutor **Fall 2024 - Spring 2025**

- Tutored high school students weekly in math, providing 1-on-1 and group support, improving grades and classroom engagement.