THIEN KHANG KIEU

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Career Objective

Passionate college freshman seeking to leverage coding skills and collaborative programming to fill a **software engineer intern position.** Eager to contribute coding skills, problem-solving abilities, and accelerate professional development. Committed to continuous learning and growth in the technology sector.

Experience

San Jose State University, San Jose, California   *Oct 2024 - Present*
Computer Science Research Assistant
- **Conducted comprehensive literature reviews** to inform experimental design and methodology.
- **Collaborated with faculty and peers**, implementing experiments to explore novel computational models.
- **Developed code** for simulations and data analysis, enhancing the precision and efficiency of research.
- **Co-authored research reports**, contributed to peer-reviewed journals.

Yerba Buena High School, San Jose, California   *Oct 2024 - Present*
Teacher Assistant
- **Provided individualized academic support** to students in AP Computer Science A.
- **Developed comprehensive review materials** to prepare students for AP CSA exams.
- **Facilitated classroom discussions and exercises**, strengthen students' computational skills.

Education

San Jose State University, San Jose, California   *Expected Grad: May 2028*
- Code Club Facilitator Board Member

Del Mar High School, San Jose, California   *Aug 2023 - June 2024*
- Achieved **Golden State Seal Merit Diploma**

Saint Lawrence Seminary High School, Mount Calvary, Wisconsin   *Aug 2020 - May 2023*
- **National Honor Society** Member & **Dean's List** Recipient (Freshman, Sophomore, & Junior Years)
- **Community Leader** Award & **Team Math Meet** Champion (Junior Year)

Relevant Courses:
- **Introduction to Data Structures** & **Java Programming** - problem-solving and algorithmic thinking.
- **Google's Crash Course on Python Programming** - scripting and automation.
- **AP Computer Science A & Principles** - object-oriented programming and computational problem-solving.

Projects

Pickleball Reservation API — Node.js, Express, PostgreSQL, Google Maps API   *March 2025*
- Built a backend-focused **RESTful API for reserving pickleball courts** with full CRUD functionality.
- **Implemented JWT authentication and role-based access control** for users and admins.
- Integrated **Google Maps JavaScript, Geocoding, and Places API** to support nearby court search and booking.
- Designed a relational data model with PostgreSQL to handle users, courts, and reservations.

Personal Portfolio Website — TypeScript, React, HTML/CSS   *March 2025*
- Developed a **responsive portfolio website** to showcase projects and technical skills.
- **Implemented a modern UI** with React and CSS for a seamless user experience.
- **Optimized performance** using efficient state management and dynamic component rendering.

Skills

Languages: Java, Python, JavaScript, TypeScript
Front-end: React, HTML/CSS
Back-end: Git, Node.js
Hard Skills: Pair Programming, Data Structures, Algorithms