Kaung Sithu (Erik) Hein

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EDUCATION

San José State University   **Expected Graduation: May 2025**
Bachelor of Science, Computer Science   *San José, CA*

- **Courses**: Data Structures and Algorithms, OOP, Database Management System, Information Security, Machine Learning, Computer Vision, Mobile Device Development, Software Engineering

WORK EXPERIENCE

Graph Academy   **May 2024 – Present**
Software Development Engineer Intern   *Cupertino, CA*

- Developed an AI-Driven Social Media App using **TypeScript**, **Next.js**, **Supabase and Flutter**, implementing sophisticated state management and real-time data synchronization.
- Engineered high-performance 3D-like UI components utilizing Physics engines, resulting in enhanced user engagement.
- Created a **mascot motion graphic** using **Rive**, boosting user retention by **20%** through enhanced visual appeal.
- Built **custom** Flutter widgets and animations to create unique performant user interfaces that **differentiate** the product.

Bridge Burma   **Aug 2023 – Present**
Full-Stack Software Engineer & UI/UX Designer   *Remote*

- Led the end-to-end development of a **proofreading submission platform** from concept to implementation.
- Received **95%** positive feedback from international users for UI design and efficiency.
- Collaborated on real-time proofreading submission and review features using **Next.js, Prisma, and Supabase**.

PROJECTS

Around U: Local Event Finder - (https://github.com/erik-ksth/cs175eventfinder)   **Dec 2024**

- Led a team of 4 in developing an event discovery app, managing task assignments and timelines.
- Designed an intuitive UI with a cohesive color theme, branding elements, and user-friendly navigation.
- Optimized the app for scalability and performance on devices running Android 10 (API Level 20) and above, leveraging best practices in **database design**, **API integration**, and **Android development**.

Zen Board: AI Scheduler - (https://zenboardai.vercel.app/)   **Sep 2024**

- Engineered an AI-powered scheduler using **Next.js and Supabase** to enhance productivity.
- Integrated a **generative AI** for automated schedule optimization, improving task efficiency.

Type In Zen - (https://typeinzen.vercel.app/)   **Apr 2024**

- Developed a relaxing **React-based typing game** with an AI-generative immersive **storytelling** approach.
- Received **93%** positive user feedback on the intuitive and engaging design of the application.
- Implemented **custom animations** to provide a smooth user experience that improves typing accuracy.

Recipe Genius - (https://github.com/erik-ksth/CS151-RecipeGenius)   **Nov 2023**

- Led a team of 3 to develop a **Java** app that **generates recipe suggestions** based on available ingredients.
- Implemented object-oriented programming principles to create a scalable and maintainable codebase.
- Integrated an **external recipe API** to expand the database and improve suggestion accuracy by 30%.

Study Buddy - (https://study-buddy.vercel.app/)   **Oct 2021**

- Designed and developed a **productivity web application** to enhance student study habits.
- Implemented key features including a Pomodoro timer, and music player using **HTML, CSS, JavaScript**.
- Achieved **99%** user satisfaction on both UI and UX, consistently receiving positive feedback over the years.

SKILLS & INTERESTS

- **Skills**: Java, C++, Python, Flutter, JavaScript, TypeScript, HTML, CSS, React, Node.js, Next.js, SQL, Supabase, Tailwind, JavaFX, Arduino, Scikit-learn, Tensor Flow, Figma, Adobe XD, Rive, Git, Matter.js
- **Interests**: Graphic design, videography, photography, traveling, movies: (Interstellar, Friends), decoration