Kaung Sithu (Erik) Hein

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WORK EXPERIENCE

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

- Initially developed an AI-Driven Dating App using **TypeScript**, **Next.js** and **Supabase**, later transitioning to **Flutter** for cross-platform development, improving performance and compatibility.
- Implemented engaging front-end animations and responsive bubble elements using **Physics engines**.
- Created a **mascot motion graphic** using **Rive**, which became a key part of the product's identity. It enhances the visual appeal and overall user experience, leading to a 20% boost in user retention.

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

- Led the design and development of a **proofreading submission website** from concept to implementation.
- Created an intuitive and efficient UI design, receiving **95%** positive feedback from international users.
- Collaborated on **full-stack** feature integration, enhancing platform functionality by implementing real-time proofreading submission and review features using **Next.js, Prisma, Supabase,** and modern web libraries.

PROJECTS

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

- Engineered an AI-powered scheduler using **Next.js and Supabase**, focusing on enhancing user productivity.
- Integrated a **generative AI** to generate optimized schedules, aiming to increase user engagement.
- Implemented seamless **Google calendar integration**, automating task creation to reduce manual input.

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.

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.

EDUCATION

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

- **Courses**: Data Structures and Algorithms, OOP, Object-Oriented Design, Database Management System, Information Security, Intro to Machine Learning, Intro to Computer Vision

SKILLS & INTERESTS

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