

KADEN BERNHARD

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EDUCATION

Washington University in St. Louis

August 2020 - May 2024

Bachelor's, Computer Science

GPA: 3.63

- Minor in Physics
- Play NCAA Division 3 Varsity Baseball at Washington University in St. Louis
- Awarded Deans List (3x) at Washington University in St. Louis

PROFESSIONAL EXPERIENCE

Invisibly

St. Louis, MO, USA

Full Stack Software Engineer

May 2023 - August 2023

- Developed and deployed a dynamic web link strategy to optimize app downloads, incorporating robust tracking for user engagement analytics and personalized article recommendations. Resulted in an impressive increase in user engagement by 25%.
- Designed and implemented a React Native TypeScript client onboarding website with dual pathways for internal and client use. Integrated a tailored Metabase dashboard to offer clients insightful visual analytics for monitoring article performance within the app.
- Designed intuitive questionnaires, optimized image submissions, and implemented a secure PostgreSQL backend. Utilized FastAPI and Swagger for efficient API calls, optimizing memory with Google Buckets for seamless integration. Developed end-to-end functionalities for SVG and raster images, including upload, download, and editing, resulting in a 50% reduction in unnecessary communication.

AMPOS Solutions

Bangkok, Thailand

Mobile Application Software Engineer

May 2022 - August 2022

- Spearheaded the development of a cutting-edge prototype grading application for Chulalongkorn University, showcasing proficiency in cross-platform app development (iOS and Android) using Flutter, Dart, Xcode, and Android Studio. This collaborative effort involved working closely with a dynamic team of Thai interns.
- Pioneered the design and implementation of key features such as Datepicker, login/register functionalities, evaluation forms, and reactive widgets using Flutter, Dart, C++, and CMake. Achieved a remarkable decrease in overall processing time by 80%, contributing to a seamless and intuitive user experience.
- Fostered direct collaboration with both the client and designer, actively engaging in weekly progress demos. This collaborative approach ensured alignment with project goals, client expectations, and design specifications, resulting in a successful and impactful grading app prototype.

PROJECTS & OUTSIDE EXPERIENCE

WorkBrew - Coffee Shop Search Engine for Workspace Enthusiasts

December 2023 - Present

Software Engineer

- Engineered a React TypeScript website utilizing Google Maps Places API for local coffee shop retrieval.
- Established a reactive interface with Leaflet maps, showcasing coffee shop markers, and specific reviews. Achieved full reactivity with a PostgreSQL backend and implemented a proxy server for seamless CORS navigation.

TasteSpace - College Recipe Social Media IOS application

August 2023 - December 2023

Software Engineer

- Orchestrated a SwiftUI mobile app development with a collaborative team of four, using GitHub flow.
- Implemented features for recipe display, post creation, editing, deletion, and seamless sharing. Integrated Firebase for a responsive backend, featuring guest login and asynchronous storage of user reviews.

LandLubber

August 2022 - December 2022

Washington University in St. Louis - Independent Research Leader

- Created a modern landline system by working with Professor Ron Cytron with Twilio, WebRTC, and customized VoIP (Twilio, Xcode, HTML, PHP, JavaScript, WebRTC, Sockets, REST API)
- In the process of manufacturing a virtual number to a WebRTC browser that calls a restful API from a mobile application to connect voice peer-to-peer connection with Wi-Fi constraints

SKILLS & EXTRA-CURRICULAR

- **Skills:** JavaScript, Git, HTML/CSS, Java, React.js, TypeScript, MySQL, mysql, Flutter, iOS/Swift, FastAPI, Postgres, Metabase, Linux/Unix, Cloud Storage, Github, Firebase, Swagger, REST API, Figma, Confluence, Jira, Agile, Tableau
- Leader of Varsity Council at International School of Bangkok
- Dual citizen (U.S/Japanese) born and raised in Thailand: Native English Advanced Japanese
- Teacher's Assistant for Quantum Computing 468T
- Digital Design: Independent Study