

Teeranade Cheng

[GitHub](#) | [LinkedIn](#) | [Portfolio](#) | teeranadecheng@gmail.com

EDUCATION

University of California, Davis

Major: B.S. in Computer Science

Expected Graduation: Jun 2025

Relevant Courses / Clubs : Google Developer Student Club | Amazon Web Services | Database | Machine Learning

EXPERIENCE

Software Engineer | AggieWorks

Sep 2024 - Present

- Developed a **local business engagement platform** using **Go and React (Vite)**, enabling **5,000 students monthly** to access deals and events in Davis, which boosted user engagement by **25%**.
- Implemented a **deal and event claiming system**, making exclusive offers from local businesses accessible and easy to claim for students, contributing to a **30% increase in deal utilization**.
- Led the **end-to-end development process** from design to deployment, including CI/CD pipelines, which reduced deployment time by **35%** and enhanced code quality for continuous improvement.

Software Engineer Intern | Rhombus

Jun 2024 - Aug 2024

- Integrated a **3D point cloud** render and 2D map projection system onto the console as successfully visualizing real-time environments, by leveraging live camera streams for accurate data representation.
- Implemented **computer vision** algorithms and **machine learning** models to analyze images from video feeds, enabling advanced features such as object detection, tracking, and classification
- Established **CI/CD pipelines** using **Github Actions** to automate the testing and deployment process, reducing manual effort by **80%** and improving overall development efficiency

Software Engineer Intern | Kebloom

Aug 2023 - Nov 2023

- Developed a mobile application using **React Native** and **TypeScript**, attracting **over 200+** active early users as measured by a **30% increase** in daily active users and **40%** higher user retention compared to previous versions
- Led the design and implementation of the application's component-based UI system using **Figma** and **Adalo**, resulting in a **50% reduction** in development time for new features and improved visual consistency

Software Engineer | HackDavis (hackdavis.io)

Aug 2023 - Present

- Launched a full-stack web application using **NextJS** and **MongoDB** attracting over **275,000** hits per month, **8300** unique visitors demonstrating scalability and user engagement
 - Developed a cross-platform Judging Mobile Application using **React Native** and **Expo**, streamlining the judging process for over **900** participants and **190+** projects during the HackDavis Hackathon event
-

PROJECTS

JustSayin | [Mobile Application](#)

React Native | Express | Mongoose | MongoDB

- **Available on the App Store!** JustSayin is a daily quote generator integrated into your IOS widgets.
- Independently developed and launched a **React Native** mobile application with over **30+ active users monthly**
- Integrated third-party APIs to enhance app functionality, such as **user authentication** and social sharing capabilities, increasing user engagement by **15%**

CaMooRa | [Website Application \(Marketplace\)](#)

NextJS | tRPC | Prisma | PostgreSQL

- Developed a full-stack marketplace application using Next.js, tRPC, Prisma, and PostgreSQL, enabling efficient **CRUD** operations and robust backend support
 - Implemented end-to-end **type safety** by leveraging **tRPC**, ensuring consistent types across the frontend, backend, and database, reducing development errors by **60%**
 - Optimized application performance by implementing **server-side rendering (SSR)** and lazy loading, reducing initial page load time by **40%** and improving Lighthouse scores for Performance (**95+**) and Accessibility (**90+**)
-

TECHNICAL SKILLS

Languages: Typescript, Javascript, Go, Ruby, C++, HTML5/CSS, Python, SQL, Bash Script

Frameworks & Database: Next.js, React.js, Vue.js, Flask, Django, Pytorch, npm, MySQL, MongoDB, PostgreSQL

Developer Tools: Git, Node.js, Firebase, RESTful APIs, tRPC, Railway, Docker, Pycharm, Anaconda, Prisma, Mongoose