

CHI TAM NGUYEN

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EDUCATION

University of California, Berkeley

12/2024

Senior, Computer Science

- **Relevant Coursework:** **CS61A:** Structure and Interpretation of Computer Programs, **CS61B:** Data Structures, **CS70:** Discrete Math and Probability, **DATA8** - Foundations of Data Science, **CS198-056:** Web Design, **CS198-099:** Full Stack Development, **CS198-008:** Linux Sys Admin, **CS198-026:** Deep Learning for Visual Data, **CS188:** Introduction to Artificial Intelligence

TECHNICAL SKILLS

- **Languages:** Python, Java, C/C++, HTML, CSS, JavaScript, Typescript, Dart
- **Web Frameworks:** NodeJS, React, Flutter
- **Databases:** SQL, MongoDB, Google Firebase
- **Tools:** Microsoft Visual Studio, VS Code, Visio, Jira, Confluence, SourceTree, Bitbucket, IntelliJ
- **Version Control Systems:** Git, SVN
- **Development Methodologies:** Agile, Waterfall
- **Additional Skills:** Software Engineering Principles, Client-Server API Design, Object-Oriented Programing, Full-Stack Development, Problem-Solving

WORK EXPERIENCE

Posto Social

06/2023 – 08/2023

Software Engineer Intern

- Design a cross-platform (Android, iOS) social media app that encourages discoveries, learning, cultural exchanges, and communications between users.
- Develop a dedicated server to maintain the mobile app functionalities and accessibilities.
- Conduct extensive research on cutting-edge technologies and frameworks (NodeJS, Flutter, Google Firebase) to strengthen the application backbone and enhance its efficiency.
- Perform testing across different devices and simulated platforms to ensure consistency and optimal performance.

PROJECTS

Byow

04/2023 - 05/2023

- Built a 2D Java-based game engine that generates explorable worlds where the locations of rooms, walls, floors, and fruits were completely random.
- Developed two distinct playing modes, respectively the console mode and GUI mode.
- Enhanced the game's difficulty level through the implementation of a light-switching feature.
- Ported robust algorithms such as Quick Weighted Union to maintain game performance and inter-room connectivity.

Study Bear

10/2022 - 12/2022

- Architected a full-stack website (ReactJS, NodeJS, MongoDB) catered to the needs of Berkeley students, easing finding study groups at any time using maps and schedulers.
- Implemented back-end APIs and services as well as maintained the connections with front-end components.
- Deployed the web app to respectively Microsoft Azure and MongoDB Cloud.
- Conducted a comprehensive software development lifecycle, including brainstorming documentation, Figma design, implementation, testing, and feedback review.

LEADERSHIP AND CAMPUS ACTIVITIES

Codify

Technical Leader

- Research, implement, and bring cutting-edge technologies to the team.
- Define project objectives, scope, and deliverables.
- Conduct project quality checks to ensure that deliverables meet specific criteria and customers' requirements.
- Assign tasks and responsibilities, as well as provide technical guidance to team members.
- Establish effective communication channels between teams.