Zachary Chin

Austin, TX | E: zachary.chin18@gmail.com | P: (626) 365-6894 | linkedin.com/in/zctg88 | github.com/zctg88

Education

Calvin University   September 2018 – April 2022
GPA: 3.87/4.00, Dean's List
Bachelor of Computer Science in Computer Science
Bachelor of Arts in Mathematics
Campus Roles: CalvinHacks **President and Head of Technology**, Computer Architecture Lab **Teaching Assistant**, Discrete Mathematics **Grader**
Relevant Coursework: Software Engineering, Data Structures and Algorithms, Programming Language Concepts, Operating Systems and Networking, Artificial Intelligence, Database Management Systems, Computer Security, Embedded Systems and the Internet of Things, Linear Algebra

Experience

Software Engineer, *The Cigna Group*   July 2022 – Present
- Contributed to 21 new features and led the deployment of 4 major releases for a full-stack web application.
- Implemented token authentication and role-based authorization for the API, increasing backend security by 100%.
- Wrote 50+ unit tests to increase test coverage above 80%, enabling the team's path to production.
- Upgraded dependencies to reduce team's annual time spent on development and releases by around 200 hours.

Mobile Development Intern, *Edward Jones*   June 2021 – August 2021
- Collaborated with scrum team to develop the frontend of a mobile application in Swift. The app helps associates reference and bookmark hundreds of enterprise acronyms.
- Presented analysis, progress, and future work for acronyms mobile application to 60+ technology associates and leaders.
- Participated in the maintenance of 8 existing mobile applications by adding enhancements, bug fixes, and unit/UI tests.

Undergraduate Summer Research Assistant, *Calvin University*   June 2020 – October 2020
- Developed 7 graphic animations with OpenGL libraries to aid in the education of parallelism and sorting algorithms.
- Created scripts and documentation to improve installation, accessibility, and usability of Calvin University's C++ libraries.

Projects

Calvin Electronic Medical Record (EMR)   September 2022 – December 2023
HTML/CSS, TypeScript (Angular), Google Firebase
- Piloted the launch of a web application with a team of 4 students to assist aspiring nurses with learning industry-level tools, helping Calvin University's nursing department save $20,000 annually.

CalvinHacks Website   November 2020 – April 2022
HTML/CSS, JavaScript (React), Google Firebase
- Led a team of 8 students in designing and developing a website for Calvin University's annual hackathon, which helped raise $12,500 over two events.
- Created a sustainable web app to reduce future development efforts by 80 hours each year.

Freespace Mobile App   September 2020 – December 2020
JavaScript (React Native), PostgreSQL
- Guided a team of 6 in the development of a mobile application to track the activity levels of 5 on-campus locations.
- Practiced agile development, scrum, and pair programming with 3-week sprints.

Additional Information

Programming Languages	TypeScript, JavaScript, HTML/CSS, Python, C++, GraphQL, SQL, PostgreSQL, Java, Swift
Frameworks and Tools	Angular, AWS, Git/GitHub, Jira, React, React Native, UIKit, SwiftUI, Docker, OpenShift