**EDUCATION**

**California State University, Sacramento**  **December 2019**

B.S Computer Science Dean's Honor Roll

**Georgia Institute of Technology**  **2023**

M.S Computer Science

**TECHNICAL SKILLS**

**Programming Languages:** JavaScript, TypeScript, Java, C/C++, Python

**Frameworks and Databases:** React, React Native, NodeJS, MySQL, PostgreSQL, GoogleSQL, Android Development

**Tools:** Git, Postman, AWS (Elastic Beanstalk, Athena, Glue, S3, SQS, Lambda, DynamoDB, CloudWatch), NewRelic, Splunk, Google Cloud GCP (Cloud Run, Cloud Functions), Looker, Google Analytics, GraphQL

**WORK EXPERIENCE**

**Software Engineer,** Tomocredit, San Francisco, CA **August 2022 – Present**

* Full-stack software engineer with a focus on backend operations and automation, primarily working with JavaScript, NodeJS, GraphQL, and React. Utilized Postgres DB and AWS (Elastic Beanstalk, EC2, Lambdas) for cloud services.
* Developed and executed the migration of internal tooling to EC2, resulting in a 20% increase in engineering productivity.
* Created an email and push notification platform to deliver real-time updates to customers regarding payment data.
* Addressed and rectified multiple high-priority security vulnerabilities impacting customer information.

**Software Engineer II,** Sparrow Lending, New York City, NY **Jan 2022 – July 2022**

* Lead backend software engineer and architect for a white-label student loan marketplace. Successfully launched MVP within six months.
* Used TypeScript/NodeJS to design and build scalable APIs on AWS Lambda and DynamoDB to serve 100k+ students
* Devised logic for calculating monthly analytics, transforming raw data into actionable metrics for clients using Athena/Glue
* Implemented a secure file storage solution to safeguard user & company data, deployed Trend Micro on S3 via Terraform
* As project lead, conducted code reviews, sourced and interviewed candidates, and expanded the backend team by 40%

**Software Engineer,** Google, Mountain View, CA **July 2020 – September 2021**

* Solely responsible for designing and developing system to display Store Hours on Chrome on Android’s recent tabs page
* Applied test-driven development in Java and Android Native C++ to build and deploy the feature in under four months.
* Designed a solution to allow multiple payment methods for different countries for Google Domains, enhancing user experience and potentially increasing sales.
* Collaborated with cross-functional teams, ensuring seamless integration with existing payment system.
* Developed a migration strategy and data fixes to ensure smooth transition and compatibility with current user data structures.

**Software Engineer,** Realtor.com, Santa Clara, CA **February 2020 – June 2020**

* Developed Market Reach as Backend Engineer as part of the Platforms and Monetization team
* Constructed an email and analytics platform in NodeJS to compile statistics and metrics, delivering weekly email performance reports to agents and brokers.
* Enhanced performance by optimizing processes through reducing API calls and refining SQL queries

**Software Engineer Intern,** Redtail Technology, Sacramento, CA **May 2019 – January 2020**

* Developed room booking React TypeScript application, currently in daily use by Redtail employees.
* Utilized FullCalendar, Local Storage, and Cypress Test Framework to develop stable and consistent experiences across a multitude of devices.
* Implemented RxJS library for a 100% improvement in time performance and to prevent race conditions

**PROJECTS**

**Twitter Bots**  **2022**

* Developed two highly popular and successful Twitter bots using TypeScript, Python, Google Cloud Functions, and the Twitter API, achieving over 500k users.

**Controls and Power Team Lead,** Hornet Hyperloop,CSUS **2017 – 2019**

* Built scaled-down prototype focused on automation of travel for purposes of Hyperloop Pod Competition hosted by SpaceX. Managed a team of 30+ engineers and programmers in the Hornet Hyperloop club
* Oversaw and assisted with implementation of pod controls and data acquisition using peer to peer network (CAN BUS) which resulted in increases in product efficiency and performance
* Invited to SpaceX to present technical design in Hyperloop Competition III & IV in 2018 & 2019.

**Customer SMS Messaging Application**  **2019**

* Developed an end-to-end Python application enabling businesses to send bulk messages to customers at 90% lower cost compared to market alternatives.
* Integrated with off the shelf GSM modems, utilizing AT commands for seamless communication.