

Education

Georgia Institute of Technology

Aug 2022 – May 2025

Bachelor of Science in Computer Science 3.93/4.00

Atlanta, GA

- **Core Courses:** Data Structures and Algorithms, Objects and Design, Design and Analysis of Algorithms, Computer Organization, Systems and Networks, Computer Networking, Database Systems, Database System Implementation, Artificial Intelligence, Perception and Robotic, Information Security, Automata, Machine Learning

Programming Skills

- **Languages:** Java, C, Python, SQL, C++, Javascript, HTML, CSS, Typescript, Dart, GO, Rust
- **Database:** MySQL, MongoDB, DynamoDB, Redis, PostgreSQL
- **Frameworks/Library:** SpringBoot, MyBatis, SpringMVC, React.js, Vue.js, Node.js, Flutter, Express.js
- **Tools:** Git, AWS, Postman, Maven, Docker, Firebase, Jira, Android Studio

Experience

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June 2024 – Present

Software Engineer Intern

Remote

- Implementing UI with **React** and **TypeScript** along with **Material UI**, ensuring a responsive and user-friendly design for the MVP.
- Integrating **Firebase API**, **Firestore**, and **Storage** for preloaded data and handling updates with helper methods and middleware.
- Creating robust error handling mechanisms to enhance application reliability and user experience.
- Collaborating within a team using **Agile methodology (Kanban)** to prioritize tasks and enhance productivity and communication.

Projects

GreenPlate Food Management Application

- Developed a user-centric application in **Android Studio** using **Java**, employing **Agile methodology (Scrum)** and **GitHub**, focusing on efficient state management with asynchronous functions, and incorporating advanced design principles and patterns.
- Integrated **Firebase's real-time database** and authentication to enhance application robustness and functionality, employing advanced database management practices.
- Led comprehensive testing efforts, achieving 100% coverage across 35 test cases to ensure software reliability and performance.

WPNotes Web App

- Developed a full stack notes app using the **MERN** stack, enabling users to securely create, edit, and manage personal notes with secure authentication.
- Optimized the application's performance by efficiently managing state and database interactions.

User Management System

- Revamped UI aesthetics using **Vue** and **Element UI** to streamline user, role, and task management; ensured seamless backend communication with **Axios** which improved data retrieval speed and enhanced user experience.
- Structured the architecture using **SpringBoot**, while integrating **SpringMVC**, **MyBatis** and **MyBatis-plus** to facilitate efficient database operations.
- Integrated **Redis** for caching and **MySQL** for database to store user information and roles.

Serverless Photo Gallery Application

- Built a web interface using **HTML** and **JavaScript**, hosted via **S3 bucket** static website hosting.
- Leveraged **AWS API Gateway** to create endpoints and deployed lambda functions in **Python** for processing and managing backend requests including sign-up, email verification, login, getting details of photos, adding photos, searching photos.
- Integrated **AWS Cognito** for user pool management, utilized **DynamoDB** for storing records of photos, and configured S3 buckets for storing photos.