

## Education

### Georgia Institute of Technology

Aug 2022 – May 2025

Bachelor of Science in Computer Science 3.93/4.00

Atlanta, GA

## Programming Skills

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

## Experiences

### Gyfr

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** for preloaded data and handling updates with helper methods and middleware.
- Collaborating within a team using **Agile methodology (Kanban)** to prioritize tasks and enhance productivity and communication.

### Huatai Insurance Group

June 2024 – Present

System Integration Intern

Beijing, China

- Enhancing **Excel VBA** code to improve the efficiency of insurance pricing and profit test models.
- Assisting in verifying and integrating a new **Java**-based system, ensuring compatibility and functionality with existing models.
- Created and maintained detailed documentation of code changes and integration processes for future reference and team use.

### Georgia Tech Vertically Integrated Projects

Aug 2023 – Present

Undergraduate Researcher

Atlanta, GA

- Implemented pre-training techniques using denoising on fine-tuned Graph Neural Networks to improve the accuracy of predicting molecule properties of the QM9 dataset.
- Developed and maintained a codebase using **Python** and **PyTorch**, utilizing version control tools, **Git**, to manage the project efficiently.

## 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.

### 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.