

First Name Last Name

City State | phone number | e-mail address | Git Hub | LinkedIn

EDUCATION

- Georgia Institute of Technology (GT) Double Major** Atlanta, GA
Master of Science in Computational Science and Engineering (GPA: 3.79/4.00) Dec. 2023 (Expected)
Master of Science in Civil Engineering (Structural Engineering)
• **Relevant Coursework:** Algorithms, Database Systems, System & Networks, Statistics & Applications, Optimization
- The University of Tennessee at Chattanooga (UTC) Co-op Education** Chattanooga, TN
Bachelor of Science in Civil Engineering (GPA: 3.83/4.00) May 2020
• Outstanding International Undergraduate Student of The Year (2020) & Dean's List (2019 - 2020)
- Changsha University of Science and Technology (CSUST) Co-op Education** Changsha, China
Bachelor of Engineering in Civil Engineering (Average: 83.76/100.00) Jun. 2020

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, C#, Julia, HTML, JavaScript, SQL, MATLAB
Platforms & Frameworks: React Native, Spring Boot, Node.js, AWS, Linux, Django, Laravel
Tools: Visual Studio Code, IDEA, Eclipse, MySQL, Git, Abaqus, Auto Desk, Mathcad Prime, Microsoft Office

ENGINEERING EXPERIENCE

- Software Engineer Intern, CompareKarma, Atlanta, GA* May. 2023 – Aug. 2023
- Developed responsive and user-friendly front-end components for a web-based search index, facilitating user comparisons of prices, ratings, and offerings among online bootcamps by HTML, CSS, and JavaScript
 - Led a codebase performance overhaul using Node.js and MySQL to optimize the data structure and search algorithm of bootcamp info, resulting in a 15% reduction in page load times and a noticeable boost in overall system efficiency
 - Collaborated with UX/UI team to refine user interfaces, prioritize tasks, and deliver features within tight deadlines
- Junior Technician, Ecological Engineering, Shenzhen, China* Oct. 2020 – Apr. 2021
- Executed daily data analysis of construction and material consumption plans using Excel and Python
 - Contributed to the design and construction of a 700 million CNY sewage pipeline renovation project in Guangming district and honored with the Individual Award of Excellence in Safety Production of The Year (2020-2021)
 - Coordinated with municipal organizations and managed 6 construction teams on various construction sites

DATA PROJECTS

- Food Delivery Management Application Integrated with Database** Sep. 2022 – Dec. 2022
- Developed a food delivery management application for conceptual restaurant owners and delivery service employees
 - Configured backend architecture and implemented role-based authentication and authorization using Python
 - Designed reusable frontend components such as payroll, profile, and analytical dashboard page using Tkinter toolkit
 - Implemented MySQL database schema to enable data communication with backend by MySQL-Connector API
- Online Stay Rental Application Based on React and Spring Boot** Apr. 2022 – Jun. 2022
- Designed and built a single-page web application using React and Ant Design UI library.
 - Utilized MySQL to securely store user-generated data such as stay information and reservation history, while integrating Google Cloud Storage for efficient media file storage
- Personalized Twitch Resources Recommendation Engine** Sep. 2021 – Jan. 2022
- Built a full-stack App for users to search Twitch resources (stream/video/clip) with customized recommendations
 - Designed and implemented a front-end web page with a rich user-friendly experience by React and Ant Design
 - Implemented RESTful APIs using Java servlets, retrieved live resources using Twitch API and stored data in MySQL
 - Deployed the service to AWS EC2 to ensure better stability and support login/logout and favorite collection features

LEADERSHIP & COMMUNICATION EXPERIENCE

- Graduate Career Peer Advisor, Georgia Tech Career Center, Atlanta, GA* Aug. 2022 – Dec. 2023
- Provided career education, resources, and experiential opportunities for GT students through daily advising meetings.
 - Conducted outreach workshops to departments and student groups on introductory career and professional development.
 - Received a performance-based promotion after six months and trained 4 new employees on career counseling skills