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EDUCATION

Emory University   **Atlanta, GA**
Bachelor of Science in Computer Science, Minor in Applied Math   August 2022 – Present
GPA: 4.0/4.0, **Dean's List:** Fall 2022, Spring 2023, Fall 2023
Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Algorithms, Linear Algebra
Awards/Distinctions: Phi Eta Sigma Honor Society, National Merit Scholar

EXPERIENCE

Emory Libraries, Cox Computing Center   **Atlanta, GA**
Computing Center Technology Consultant   August 2023 – Present
- Manage Cox Computing Center's A/V system to maintain a collaborative environment free of technical difficulties
- Service campus-wide printer and computer network for an up-to-date and secure online experience for students

Kerygma Digital   **Remote**
Software Engineer   June 2023 – July 2023
- Reduced service response latency by 60% (~400 ms) by implementing a custom configurable time-to-live HTTP cache in order to optimize BibleBot's quick reference features for 4m+ users across 51,000+ Discord servers
- Decreased in-memory HTML and JSON cache space by 99% and 39% by creating custom request proxies
- Leveraged knowledge in Java, MVC, REST, and Git to learn and work in C# with the ASP.NET framework

LEADERSHIP AND COMMUNITY ENGAGEMENT

Project Emory   **Atlanta, GA**
Cofounder/Secretary   May 2023 – Present
- Teach tools such as React, MongoDB, and Git via presentations and collaboration on the full-stack RIDEmory app
- Provide working CS experience to 30+ students by establishing and running Emory's only open project-building club
- Mentor 2 new CS students by providing peer-programming opportunities, coursework guidance, and pre-professional help aimed to contribute to their overall success in software engineering

Emory Hack4Impact   **Atlanta, GA**
Software Engineer   December 2023 – Present
- Develop an automated post-session survey service for Odyssey Family Consulting Center, connecting their CoreLogic database with their website in order to eliminate manual data entry and retrieval
- Build and maintain software solutions for non-profits in Atlanta to enable smoother day-to-day operations
- Leverage knowledge in JavaScript and Git and manage tasks and project backlog using Jira

PROJECTS

Personal Website   See andrewtlu.github.io for more projects and info!
- Researched, designed, and developed a personal portfolio website in order to showcase skills and learn frontend technology to support Project Emory and RIDEmory's front-end team
- Utilized: React + Vite, TypeScript, HTML/CSS, Figma, Git, Firefox/Chrome Developer Tools

RIDEmory (WIP)
- Streamline Emory students' rideshare experience through a self-updating database of ride information
- Used Java and Spring Boot to teach MVC/REST and promote collaboration within the project's back-end team
- Utilized: Java/Spring Boot, MongoDB Atlas, Python/Flask, React, Figma, Git, Google Maps/Routes API

Voice Calculator
- Developed a hands-free calculator as proof-of-concept for a lightweight deployable voice-controlled application
- Created modular grammar regular expressions to improve speech detection accuracy in noisy environments
- Utilized: Java, Sphinx4, MaryTTS

ADDITIONAL SKILLS AND INTERESTS

Software: (*proficient*): Java, Git, JavaScript/TypeScript, HTML/CSS, Python (*familiar*): Shell, C, C#, Go
Interests: Backpacking, Volleyball, Technical/Modded Minecraft, Linux, Performance Arts (Oboe and Guitar)