Wilson Ide

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Professional Summary

Aspiring software engineer with hands-on experience in full-stack web development, machine learning, and secure messaging systems. Skilled in modern frameworks, APIs, and cloud hosting solutions, with a proven ability to lead teams and drive projects from concept to deployment. Currently seeking a summer internship to apply technical expertise, collaborate with industry professionals, and gain real-world experience in software development.

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Computing   Atlanta, Georgia

Bachelor of Science in Computer Science   *August 2023 – May 2026 (exp. Graduation)*
- Threads: Information Internetworks & Intelligence   **GPA 3.7/4.0**
- Relevant Coursework: Data Structures and Algorithms, Intro to Artificial Intelligence, Intro to Database Systems, Objects and Design, Computer Organization and Programming, Design and Analysis of Algorithms, Object-Oriented Programming
- Georgia Tech Lorraine Study Abroad Program

PROJECTS

"Wrappify": Collaborative project creating a website to create and save Spotify Wraps
Exploration of collaboration on a large web development project
- Used Django, Spotify API, OpenAI API while collaborating on GitHub – github.com/Wilsdawg1212/2340_Project_2
- Self-hosted the website using Coolify at wrappify.wilsonide.com
- Served as the scrum master to manage the team, facilitate communication, and define and manage backlog items

Training of a dog breed classifier – huggingface.co/WillyIde545/dog_classifier
- Utilized PyTorch in conjunction with Huggingface to identify images of dogs
- Applied transfer learning techniques on a pre-trained model to create my own CNN that classifies dog breeds
- Achieved on average 86% accuracy on a set of 120 dog breeds

End to end encrypted messaging app– github.com/Wilsdawg1212/E2E-messaging-app
- Used Rust to apply the EEC encryption process with a client server architecture
- Utilized a fallback server process in order to store encrypted message which weren't immediately received
- Implemented forward encryption between two clients

EXPERIENCE

Experimental Flights ViP - Disaster Relief Drone Project   **Atlanta, Georgia**
Student software engineer   *January 2025 - Present*
- Helped develop avionics system for a VTOL drone
- Working with avionics team to connect payload/camera controllers to central controller and software
- Developed autonomous flight control systems using **QGroundControl** and **PX4** for real-time navigation

Cafe At Pharr   **Atlanta, Georgia**
Server   *March 2022 – January 2023*
Local Atlanta casual restaurant that specializes in their chicken salad.
- Served 400+ customers a day
- Experimented with organizational platform Toast to streamline orders through visual timers associated with orders
- Trained and onboarded 4 other workers throughout my time as a worker

Phi Gamma Delta
Graduate Relations Chair
- Spearhead the implementation of a chapter graduate mentorship program
- Maintain contact with 300+ chapter graduate through LinkedIn and email
- Coordinate an annual graduate golf tournament with 80+ participants as well as a chapter dinner with graduates

SKILLS/INTERESTS

Programming:
- Python, Java, Rust, HTML, CSS, Django, React
- Git/GitHub, SQL, APIs, CLI
- PyTorch, NumPy, pandas, SciPy

Concepts: Object-Oriented Programming, Data Structures, Artificial Intelligence, Database systems

Language: French (Beginner), English (Native)

Clubs: Blockchain club, Bits of Good Web Bootcamp, Phi Gamma Delta, Lacrosse 23-24 (Rookie of the Year)