Wilson Ide

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Education

Georgia Institute of Technology   Expected May 2027
Bachelor of Science in Computer Science (GPA: 3.76 / 4.0)   *Atlanta, GA*
- **Relevant Coursework:** Design and Analysis of Algorithms, Data Structures and Algorithms, Intro to Artificial Intelligence, Intro to Database Systems, Objects and Design, Machine Learning, Perception & Robotics

Experience

Earthbrands Inc.   May 2025 – Aug 2025
Software Engineering Intern – Tech Team   *Remote*
- Implemented multi-factor authentication and password reset with Supabase Auth, enhancing platform security.
- Performed data cleanup and management in Supabase/PostgreSQL to improve reliability of business datasets.
- Built internal tools including a cost analysis tool and a SKU synchronization system integrating QuickBooks and Shopify APIs.

Experimental Flights ViP – Disaster Relief Drone Project   Dec 2024 – Present
Developer - Testing and Simulation Team   *Atlanta, GA*
- Helped develop avionics systems for a VTOL drone used in disaster-relief contexts.
- Integrated payload and camera controllers with the vehicle's central controller and software.
- Developed autonomous flight control capabilities using QGroundControl and PX4 for real-time navigation.

Phi Gamma Delta   Jan 2024 – Present
Graduate Relations Chair   *Atlanta, GA*
- Spearheaded a graduate mentorship program; maintained relationships with 400+ alumni through LinkedIn and email outreach.
- Organized annual graduate events, including a golf tournament (80+ participants) and a chapter dinner, strengthening alumni engagement.

Projects

Dog Breed Classifier | *TensorFlow, Python, ScikitLearn*
- Implemented in PyTorch with Hugging Face; applied transfer learning to fine-tune a CNN.
- Achieved ~86% average accuracy across 120 classes on a held-out set.

AI assisted Interior Design Studio | *React, Python, Huggingface, Runpod*
- Developed a full-stack AI-powered interior design application using Next.js, React, and FastAPI, integrating Stable Diffusion models for intelligent furniture placement and room visualization.
- Implemented advanced computer vision features including AI inpainting, background removal, and mask generation to seamlessly blend furniture into room images with realistic lighting and shadows.

Base L2 Blockchain Visualizer | *Next.js, TypeScript, Alchemy API, Coolify, Viem*
- Built a real-time Base visualizer in Next.js + TypeScript, streaming new blocks via WebSocket (with automatic HTTP polling fallback) and rendering a smooth Canvas timeline.
- Implemented L1 ↔ L2 linkage: read OP-Stack L1Block predeploy at historical tags per L2 block and fetched the corresponding Ethereum L1 headers with viem to display origin number/hash/timestamp.

Technical Skills

Languages: Java, Python, SQL, JavaScript, HTML/CSS, Latex, C, Rust
Technologies: React.js, Docker, Supabase, TensorFlow, PyTorch, SciKit-Learn, Django, Node.js, Numpy, Pandas
Concepts: Relational Database Planning, Artificial Intelligence, Machine Learning, Neural Networks, API, UML, Object Oriented Programming, Blockchain.

Awards/Honors/Achievements/Elected Positions

- Georgia Tech Dean's List
- Order of Omega (for emerging leaders in greek life) - Georgia Tech
- Blockchain Club
- MOVE Campus Outreach Committee