

Eric Hoang

h_eric56@yahoo.com | (678) 619-9671 | [linkedin.com/in/erichoang2](https://www.linkedin.com/in/erichoang2) | github.com/theEricHoang

Education

Georgia State University

B.S. Computer Science

May 2026

GPA: 3.84

Experience

Software Engineering Intern | Cox Automotive | Atlanta, GA

May 2025 - August 2025

- Migrated a long-running **.NET/PostgreSQL** service to **Node.JS Lambda/DynamoDB**, reducing hosting costs by ~80% and leveraging AI-assisted development workflows to accelerate delivery by 4x
- Built a CI/CD pipeline in **GitHub Actions** and **AWS CDK** to automate build, test, and deployment workflows for 2 serverless applications
- Designed and implemented a Slack-based notification service to scan Rally projects to alert managers about user story/feature date discrepancies, improving project tracking and team awareness
- Developed an intuitive UI with **React** for a release-tracking AI chatbot, integrating with **AWS Bedrock** and **Lambda** to assist engineers and product managers in querying and manipulating release statuses

Projects

FOTD - Full-Stack Photo-Sharing App

March 2025 - Present

- Leading development of a social media platform as part of a team of 4 developers, overseeing architecture, code reviews, and feature planning
- Architected a modular **Django**-based backend API supporting image uploads to **AWS S3**, authentication, user and post management, and personalized content feeds
- Designed and optimized a robust **PostgreSQL** schema to efficiently handle relational data
- Developed a cross-platform **React Native** application delivering an intuitive, responsive user experience
- Implemented a CI/CD pipeline using **AWS CDK** and **GitHub Actions** for automated testing, Docker image builds, and seamless cloud deployment
- Built an internal management control panel (MCP) server enabling administrators and developers to perform platform-wide CRUD operations, including user moderation, post deletion, and notification management

Lovenote - Real-Time Collaborative Canvas for Couples

January 2025 - Present

- Developing an interactive white-board style web app enabling users to leave text notes and drawings in shared spaces
- Engineered a modular **Go** backend API implementing JWT authentication, role-based authorization, image uploads, and collaborative space management
- Designed and built a responsive, stylized frontend with **React** and **TypeScript** for an intuitive, interactive canvas experience

Atlanta Home Price Predictor | <https://atlhomepricepredictor.com>

November 2024

- Built a full-stack web application to predict house prices in Atlanta using latitude/longitude, square footage, number of bedrooms/bathrooms, and zip code
- Engineered a **Python**-based web scraper to efficiently collect data from ~8,000 houses in the Atlanta area from Zillow
- Trained a Gradient Boosting Regressor model on the collected data, achieving an average prediction error of ~22% on real world listings
- Designed a REST API in **Flask** to serve machine learning predictions to the frontend
- Containerized and deployed the application with **Docker** to deploy on a DigitalOcean Droplet for public access

Skills

Languages: Go, Python, C/C++, Java, JavaScript/TypeScript, C#, HTML, CSS, SQL

Libraries/Frameworks: React, Node.JS, Django, Next.JS, .NET

Cloud/Data: GitHub Actions, AWS (CDK, S3, EC2/ECS/ECR, RDS, Lambda, DynamoDB, S3), Docker, PostgreSQL, MySQL

AI/ML: AWS Bedrock, LangChain, HuggingFace, Scikit-learn, Pytorch