

Alexander Husseini

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Education

Kennesaw State University

Bachelor of Science in Software Engineering

minor in Cybersecurity

- 3x Dean's List

May 2026

3.7 GPA

Technical Skills

- Advanced- Python, SQL, NumPy, Pandas, PyTorch, Flutter, Dart, React, JavaScript, Git, SQLite, PostgreSQL, Firebase, Xcode
- Proficient- Java, TypeScript, Node.js, Express, Next.js, Redux, HTML, CSS, Tailwind CSS, Docker, Matplotlib, AWS, PyQt5

Experience

RS Photographies - Lead Full Stack Developer

March 2025 - April 2025

- Redesigned and deployed a responsive portfolio website for a photography business using Firebase and Squarespace
- Implemented secure email forwarding, custom gallery layouts, and mobile optimization using HTML, CSS, and JavaScript
- Managed version control and iterative updates through GitHub based on client feedback
- Technologies: **HTML, CSS, JavaScript, Firebase Hosting, Squarespace, Git, GitHub**

Projects

Options Alpha Toolkit – Quantitative Options Analysis Platform

Python, PyQt5, NumPy, Pandas, Matplotlib, SciPy

Dec. 2024 – Present

- Built a desktop application to evaluate high-alpha options contracts using custom metrics integrating execution costs, volatility edge, and Greek behavior
- Developed a **PyQt5** GUI with embedded **Matplotlib** visualizations and **Monte Carlo simulation** for back testing option strategies under stochastic price paths
- Enabled **CSV-based batch analysis** and real-time filtering by DTE, delta, liquidity, and volatility skew, supporting data-driven trade evaluation
- Designed a modular architecture using **PyQt5's** signal-slot system to separate calculation logic, UI rendering, and simulation control

LiteWeight – Cross-Platform Mobile Fitness App

Flutter, Dart, SQLite, Firebase, Python (AI API module)

Feb. 2025 – Present

- Designed and developed a cross-platform fitness app with workout logging, a calendar-based schedule, and stats dashboard to visualize training trends
- Implemented offline-first data storage using **SQLite** with real-time sync to **Firebase** for seamless user experience across sessions.
- Built an **AI-powered** assistant that generates personalized training plans and fitness insights using GPT-based models.

Accomplishments

Georgia Boys State – American Legion Leadership Program

June 2020

- Selected to represent Forsyth County in a statewide mock government program focused on leadership, civic engagement, and public policy
- Gained experience in legislative debate, elections, and collaborative decision-making alongside peers from across Georgia