

Jason Ang

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EDUCATION

University of Florida

Master in **Computer Science with Concentration in AI/ML**

Gainesville, FL

GPA: 3.9/4.00, April 2026

University of Florida

Bachelor in **Computer Science** and Minor in **Economics**

Gainesville, FL

GPA: 3.9/4.00, May 2025

EXPERIENCE

Software Engineer

May 2026 – Present

Lockheed Martin

Manassas, VA

- Develop mission critical **Java** software for U.S. Navy sonar systems on **Linux**, contributing to distributed system that support real time operator workflows.
- Implement and debug subsystem communication using **gRPC**, **Protocol Buffers**, and **Java**.
- Build and troubleshoot JavaFX data flow components for real time displays, applying event handling, listeners, bindings, and asynchronous updates to maintain UI responsiveness.
- Perform Agile technical spikes across legacy mission software to evaluate design options, identify implementation risks, and translate ambiguous requirements into scoped engineering tasks.

Software Developer Consultant

August 2024 – December 2024

Collier County Public Schools

Naples, FL

- Redesigned and rebuilt an after school platform serving **6,000 students**, reducing enrollment load times by **40%**, cutting data entry errors by **30%**, and improving page performance by **50%** using **ASP.NET Core 8**, **Vue.js**.
- Optimized backend performance by analyzing **SQL Server execution plans** and using **SQL Profiler**, reducing query latency from **4.3s to 0.8s** through improved indexing, query design, and stored procedures.
- Designed and delivered attendance and analytics features with reliable **REST APIs**, improving system stability via **unit and integration testing in .NET** (xUnit) and API validation using **Postman**.

Software Engineering Intern

May 2024 – August 2024

Arthrex

Naples, FL

- Extended an internal HR system using **.NET C#, Blazor, and SQL Server** to support multi level approvals and **ACID compliant** transactions, improving request processing efficiency by approximately **35%**.
- Built bulk approval workflows and integrated SAP employee verification, supporting reliable deployments through **Azure DevOps** and **Octopus**.

Programming Teaching Assistant

August 2023 – May 2024

College of Engineering at the University of Florida

Gainesville, FL

- Led** weekly programming labs and office hour support for introductory programming students, explaining Python, **debugging**, **object oriented programming**, and **problem solving strategies** to technical audiences.
- Reviewed student code, guided debugging sessions, and strengthened technical communication by **translating complex programming concepts** into clear, practical examples.

TECHNICAL SKILLS

Security Clearance: Active Secret Clearance

Languages: Python, C#, C++, SQL, HTML, CSS, Java, JavaScript, Linux

Frameworks & Libraries: Spring Boot, .NET, Vue.js, PostgreSQL, MS SQL Server, REST APIs, Git, React, Node.js

DevOps: Docker, Kubernetes, Amazon Web Services (AWS), Azure

Certifications: AWS Certified Solutions Architect Associate, AWS Certified AI Practitioner

PROJECTS

Fraud Risk Streaming Platform | *Kafka, Spark, FastAPI, PostgreSQL, Redis, React, Docker*

- Built an end to end **event driven fraud detection system** using **Kafka** and **Spark Structured Streaming**, enabling real time anomaly detection on simulated high volume account activity streams.
- Designed scalable streaming pipelines for low latency event ingestion, aggregation, and querying.

Multi Turn RAG Fine Tuning (RAFT + CoT) | *Llama, PyTorch, Hugging Face, RAG*

- Fine tuned Llama 3.1 8B using QLoRA/PEFT for multi turn RAG on the MTRAG benchmark, evaluating retrieval noise and fine tuning effects on response quality.
- Built training and evaluation pipelines with retrieved context, distractor documents, and reasoning supervision to test model robustness.