

JUSTIN SISON | TS/SCI

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PROFESSIONAL SUMMARY

AI/ML Engineer with Active TS/SCI and 7+ years of software development experience specializing in agentic AI systems, RAG pipelines, and full-stack platform engineering. Proven track record delivering mission-critical AI solutions in air-gapped and classified environments. Holds an M.S. in Artificial Intelligence and B.S. in Computer Science.

PROFESSIONAL EXPERIENCE

Iron EagleX / General Dynamics | Tampa, FL

Data Scientist Principal (May 2026 – PRESENT)

- Drive AI implementation strategy and technical architecture for Special Operations Command Central (SOCCENT), setting engineering standards and advising leadership on technology selection, feasibility, and the prototype-to-production roadmap

Data Scientist (October 2025 – May 2026)

- Lead Research and Development (R&D) initiatives for SOCCENT by delivering 25+ Minimum Viable Products (MVPs) to rapidly validate and prototype AI-powered capabilities for operational use
- Engineer a full-stack personnel readiness platform adopted command-wide, replacing manual spreadsheet workflows with real-time status tracking, automated schedule-driven updates, and role-based access control with LDAP integration, built on FastAPI and React
- Develop a Multi-Drone Command & Control platform enabling zero-experience operators to plan, execute, and monitor multi-drone missions in real-time, supporting ArduPilot and PX4 via MAVLink, with RBAC, geofencing, collision detection, and a custom MCP-powered AI mission assistant enabling natural language mission planning, built with React/TypeScript and FastAPI on AWS EC2
- Orchestrate strategic partnerships with key stakeholders and technology vendors, ensuring timely delivery of mission-critical requirements and maintaining alignment with organizational objectives
- Mentor and develop junior developers through hands-on guidance in software engineering best practices, code quality standards, and professional development to build high-performing technical teams

Data Analyst (December 2024 – October 2025)

- Architected and deployed an Agentic AI chat platform adopted by Special Operations Command (SOCOM), serving 200+ daily active users and 20,000+ unique users overall in air-gapped environments with Retrieval-Augmented Generation (RAG) and Model Context Protocol (MCP) integration, built with React, FastAPI, and MongoDB
- Developed multimodal AI capabilities including speech-to-text, text-to-speech, image generation, and OCR for automated document extraction, with hybrid vector and keyword RAG search, full Microsoft 365 integration (SharePoint, Outlook, Teams), and multi-provider LDAP/Kerberos and Entra ID authentication
- Automated video teleconference workflows using n8n, OpenAI Whisper, and LLMs to transcribe meetings and generate executive summaries, reducing manual note-taking

The Florida Lottery | Tallahassee, FL

Programmer Analyst I (November 2023 – December 2024)

- Engineered promotional gaming applications for the Florida Lottery Second Chance platform — the #1 lottery by total U.S. sales with \$9.1B+ in annual revenue — building a JavaScript/HTML/CSS frontend and Java backend with ticket validation logic supporting 100,000+ player accounts
- Designed and optimized complex SQL queries and relational database operations supporting player account management and ticket verification at scale, enforcing data integrity across a high-volume transactional system validated through comprehensive Postman API testing

T-Mobile | Tampa, FL

Radio Frequency Data Engineering Intern (May 2022 – August 2022)

- Developed interactive Power BI dashboards integrated with SQL databases to enable real-time RF network optimization across 100+ tower sites in the Tampa Bay region, directly informing tower placement decisions and technology upgrade recommendations that improved customer satisfaction scores

ID TECH | Remote

Lead Coding Instructor (May 2020 – December 2021)

- Taught Python, C++, Lua, and Scratch to students ages 7–17, building foundational knowledge in algorithmic thinking, data structures, and software development
- Designed modular curriculum frameworks covering core CS and programming concepts and managed 20+ instructors, developing structured, reusable instructional content

TTI Computer Services | Tampa, FL

Field Service Technician (August 2019 – May 2022)

- Diagnosed and resolved hardware and software failures across 100+ BayCare Health System sites in the Greater Tampa Bay area, maintaining medical workstations, computers, and label printers to ensure zero-downtime operations in high-stakes healthcare environments
- Partnered with BayCare Clinical Engineering and IT teams to program, deploy, and maintain AeroScout IoT tracking systems, enabling real-time environmental monitoring (temperature and humidity) across blood banks, pharmacies, and laboratories

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Java, C/C++, C#, SQL, HTML/CSS, Swift, Lua

AI/ML Technologies: LLMs, LangChain, Whisper, n8n, Ollama, HuggingFace, transformers, OCR, RAG, MCP

Tools & Frameworks: React, FastAPI, Flask, Node.js, Express.js, AWS EC2, Docker, REST APIs, Microservices, Git/GitHub, MongoDB, PostgreSQL, Elasticsearch, Oracle, SQL Server, Azure DevOps, Power BI, Jupyter Notebook, Linux, Nginx, Postman, Visual Studio Code

AI Development Tools: Claude Code, Cursor

EDUCATION

Master of Science in Artificial Intelligence

Florida Atlantic University | Boca Raton, FL | December 2025 | Summa Cum Laude | GPA: 3.91/4.0

- FAU Graduate Grant Recipient

Bachelor of Science in Computer Science

Florida Atlantic University | Boca Raton, FL | May 2023 | Magna Cum Laude | GPA: 3.75/4.0