Simon Ocampo Millan

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Education

University of Central Florida – Orlando, FL   Expected Graduation: May 2027
Bachelor of Science in Computer Science   **GPA: 3.9**

Skills

- **Programming Languages:** Python, Java, C, C++, JavaScript, SQL
- **Frameworks & Libraries:** PyTorch, NumPy, Pandas, Seaborn, PuLP, matplotlib, React, Node.js, Express, Flask
- **Tools & Platforms:** Git/GitHub, AWS, Docker, REST APIs, OpenAI APIs, GoHighLevel, Make, Odoo
- **Technical:** Software Development, Testing & Quality Control, Data Analysis, Workflow Automation
- **Soft:** Agile Methodologies, Technical Communication, Problem-Solving, Cross-Functional Collaboration, Project Management
- **Languages:** English (Fluent), Spanish (Native)

Professional Experience

SimX AI   Jul 2025 – Present
Founder

- Architected **scalable automation pipelines** integrating OpenAI models with CRM systems at production scale.
- Built **context-aware conversational agents** using prompt chaining to reduce hallucinations and improve accuracy.
- Increased lead-to-appointment conversion by **25%** through optimized AI-driven customer interactions.
- Reduced manual processing latency by **70%+** via robust data orchestration and error-handling workflows.

University of Central Florida   Aug 2025 – Present
Teaching Assistant

- Guided **100+ students weekly** in labs, reinforcing recursion, graph algorithms, and data structure implementation.
- Debugged and explained complex Java programs during office hours, improving assignment completion and exam performance.
- Graded **1000+** coding submissions for correctness, runtime optimization, and adherence to documentation standards.

Pactemos   Dec 2024 – Jan 2025
Software Intern

- Automated legal compliance by building reusable contract templates with dynamic placeholders in **Odoo ERP**.
- Standardized documentation workflows across **30+ branches**, reducing processing delays and compliance errors.
- Supported daily operations for **100+ staff** by improving reliability of internal document and approval systems.

Projects

KnightHaven (KNIGHTHACKS VIII)   Oct 2025
Full-Stack Developer

- Built a full-stack platform with React, Express, and SQLite to unify events, marketplace listings, and local discovery.
- Implemented Auth0 verification to restrict protected features to users with verified @ucf.edu accounts.
- Developed Flask scraper with BeautifulSoup to update campus events in real time with caching and fallback logic.
- Integrated Yelp Fusion API for nearby spots, enabling restaurant and service discovery with student-focused context.

AI Document Assistant   Dec 2025
ML Engineer

- Built a production-grade **RAG** system enabling grounded Q&A over PDF documents up to **2000+ pages** each.
- Implemented **hybrid retrieval** with dense embeddings, BM25 sparse search, and **cross-encoder reranking**.
- Added **semantic chunking**, alias-aware query expansion, and embedding caching to **reduce latency by 35%**.
- Deployed on Hugging Face Spaces using Streamlit with lazy model loading and secure secret management.

Involvement

Theta Tau, Professional Engineering Fraternity   Nov 2025 – Present
Academic, Athletics, Community Service Boards Member

- Contributed to service initiatives including campus cleanups and volunteer drives that reinforce leadership and teamwork.
- Participated in networking sessions with industry professionals to explore career paths across multiple engineering disciplines.

Tau Beta Pi, Engineering Honor Society   Nov 2024 – Present
Recruitment Chair

- Initiated into Tau Beta Pi, the nation's oldest engineering honor society, recognizing the top **12.5%** of engineering students.
- Guided candidates through initiation requirements, mentorship events, and professional development opportunities.