Jason Sacerio

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EDUCATION

University of Central Florida — Orlando, FL
Bachelor of Science in Computer Science, Minor in Math — *Spring 2027*

EXPERIENCE

Software Engineer Intern — Mar. 2024 - Sept. 2024
Blackstone — *Miami, FL*

- Invited as **1 of 20** university students to participate in gaining valuable insight and mentorship from engineers at Blackstone
- Optimized **Python-based** back-end for the finance department, refactoring critical data pipelines and improving database queries, which reduced end-of-day report generation time by **30%** and increased the reliability of financial data processing.

Software Engineer Intern — Sep. 2018 – Present
Capitol Steel Structures — *Miami, FL*

- Solely designed and implemented a comprehensive customer database using **MongoDB and Django**, streamlining data management and operational workflows to support increased client volume.
- Built and launched the company's first e-commerce website using **Python, HTML/CSS, and Stripe** for payment processing, enabling online sales of steel products and generating **$273,000** in revenue in the first year.

Founder — Sept. 2024 - Present
jTutors — *Sunrise, FL*

- Led and managed a team of three, driving efficient coordination of meetings, scheduling, and individualized lesson planning to ensure seamless weekly execution of tutoring programs.
- Delivered measurable results for **62+** students in mathematics, with SAT students achieving an average **20-percentile** score increase and classroom students improving by an average of **20%** in overall grades.

Divison Lead — Jan. 2023 - Dec. 2023
MDC Esports — *Miami, FL*

- Orchestrated and coordinated all project phases, managing large-scale events with up to **30** attendees and ensuring flawless execution through strategic design and scheduling.
- Directed and supervised a **12**-member team in a previously unranked program, elevating it to national recognition, achieving **Top 200** in the United States and **Top 50** in the Southeast, while demonstrating strong leadership and organizational skills.

PROJECTS

Essay Amplifier | *Python, Django, Bootstrap, AWS, SQLite, Docker, Git* — June 2020 – Present

- **Django**-based web platform integrated with the **OpenAI API**, enabling users to enhance essays through dynamically generated **NLP** prompts tailored for grammar, style, and clarity improvements.
- Implemented a **MongoDB**-backed data pipeline for storing user submissions, prompt-response mappings, and usage analytics, optimizing query performance and ensuring scalable handling of high-volume API interactions.

swaghack | *C, Java, IDA Pro,* — May 2018 – May 2020

- Engineered a proof-of-concept **kernel-mode driver** to simulate undetected memory modifications in the Lunar Client Anticheat on Minecraft, reproducing techniques real cheats use to evade anti-cheat detection and stress-test server security controls.
- Conducted controlled testing in a private environment, identifying weaknesses in detection logic and recommending enhanced telemetry and validation mechanisms to strengthen overall anti-cheat effectiveness.

TECHNICAL SKILLS

Languages: Python, C, C++, Java, Javascript, Typescript, SQL, HTML/CSS
Frameworks: WordPress, Django, Tailwind, MongoDB
Developer Tools: Git, Docker, Jupyter Notebook, Visual Studio, PyCharm, IntelliJ, Eclipse, Kubernates, IDA Pro
Libraries: pandas, NumPy, Matplotlib