

LUKE SUTOR

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EDUCATION

University of Florida – Gainesville, FL **Graduating May 2026**
Bachelor of Science in Computer Science; Minor in Statistics; Gartner Group Scholarship GPA 3.98 / 4.0
● **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Algorithm Abstraction and Design, Database Systems, Software Engineering, Natural Language Processing, Computer Network Fundamentals
● **Leadership:** Co-Founder/President – Gator Cloud Computing; Director of Research – AI Club

EXPERIENCE

MathWorks Inc. **Boston, MA**
Incoming Software Engineer Intern May 2025 – Aug 2025
● Summer 2025 Software Engineer Intern working within the Engineering Development Group

Gaming Analytics Inc. **San Francisco, CA**
Software Engineer Intern May 2024 – Mar 2025
● Used **AWS** to deploy a plaintext-to-database query pipeline for use by some of the largest casinos in America
● Optimized the pipeline by training **HuggingFace** transformer models on **SageMaker**, reducing query translation time by 52% and increasing accuracy by 21%
● Integrated company training materials into an **AWS** Knowledge Base to provide context for a **retrieval-augmented generation** question-answering agent, allowing users to refresh their knowledge of the platform quickly

William Ryan Group **Remote**
Software Engineer Intern Jun 2023 – Aug 2023
● Developed a data analysis system for evaluating employee response times across customer tier levels
● Created real-time, filterable visualizations with **Python**, VBA, and Excel, providing managers with actionable performance insights 73% faster

SciTeens Inc. **West Palm Beach, FL**
Full-Stack Engineer Intern (Volunteer) Sep 2021 – Jan 2022
● Nonprofit STEM platform offering free mentorship and data science courses to over 800 students
● Created a modernized website using **Next.js**, resulting in a 45% increase in the user base

SELECTED PROJECTS

Programmatic Pitch – Diffusion-Based Music Synthesis
● Adapted and trained a denoising diffusion model in **PyTorch** to generate Mel Spectrograms of LoFi beats
● Presented at the University of Florida's 2024 Spring Undergraduate Research Symposium and published findings in the October 2024 edition of the University of Florida Journal of Undergraduate Research

Semantic Search – GPT-Powered Question Answering Extension
● Chrome Web Store extension with 250+ users that analyzes text from websites for question answering
● Developed a **React** frontend with a **Cloudflare Worker** backend, powered by OpenAI's GPT-4o model

AWARDS

UF Artificial Intelligence Scholars Program (2023 & 2024 Award Recipient) Apr 2023 – Present
● Competitive research program sponsored by the UF Center for Undergraduate Research and UF AI² Center
● Applied funds from the UF-FAMU NSF grant (\$3,500) and resources from the University of Florida's HiPerGator AI Supercomputer to perform deep learning research under the mentorship of Professor Amelia Winger-Bearskin

Skills

Programming Languages: Python, C++, JavaScript, Java, HTML, CSS
Skills & Frameworks: AWS, PyTorch, HuggingFace, Git, React, Next.js