

# Anna Sicoli

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## Education

**Bachelor of Science in Computer Science, Minor in Digital Arts & Sciences**  
University of Florida, Gainesville, FL

Expected May 2026  
GPA: 3.82

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## Technical Skills

**Programming:** C++, Python, Java, HTML, React, Node.js, SQL

**Software:** Blender, OnShape, Toon Boom Harmony

**Certifications:** Fundamentals of Deep Learning Certificate, NVIDIA

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## Work Experience

**Software Engineering Apprentice**, American Express September 2025 - Present

- Shadowing a mentor from American Express, receiving weekly guidance, code reviews, and project support
- Developing an audio visualizer for video games to improve accessibility for users with hearing impairments, using Python, Librosa, PyAudio, and NumPy
- Training machine learning models to classify game sounds in real-time and designing a GUI overlay to visualize audio cues while filtering irrelevant sounds.

**Research Intern**, GenMedicus

June 2025 - August 2025

- Conducted research on chronic illness symptoms and healthcare access disparities in Latin America to support underserved populations
- Assisted in writing a grant proposal for a mobile app that tracks and monitors symptoms of chronic illnesses in low-income communities
- Analyzed public health data and existing medical literature to support the app's development and funding justification

**Data Analyst**, Environmental Horticulture Club, Gainesville, FL.

September 2024 - Present

- Record and analyze plant growth to determine health and optimize plant growth regulator (PGR) applications
- Improve data analysis models to improve plant growth predictions and enhance decision making processes

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## Involved

**Team Captain**, Smart Cane Project (GRIP), Gainesville, FL

September 2024 - Present

- Developing an umbrella wheelchair attachment
- Lead design and developing of a walking cane to detect obstacles to improve safety for the blind
- Oversaw team collaboration, design ideas, and prototype testing using sensors and 3D printing
- Designed a robotic hand that mimics glove motion using sensors and custom 3D-printed components.

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## Projects

**Flame Finder**

January 2025

- Collaborated with a team to develop a web application that detects wildfires through real-time AI-powered video analysis, inspired by the California wildfires.
- Integrated front-end camera access with an AI backend to identify fires in 10-second intervals and alert users
- Built using React, Auth0, and a pre-trained AI model, implementing full-stack functionality for real-time detection.