

Sydney Lee

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Education

University of Florida | Gainesville, FL

May 2028

Bachelor of Science in Computer Science; Bachelor of Science in Statistics; GPA: 4.00

College of Engineering Dean's List | Fall 2024, Spring 2025

Experience

Data Analytics and UI/UX Design Intern at MinerLabs | Singapore

June 2025 – Present

- Analyzed flight simulator datasets with 137 variables to identify and prioritize key metrics for user analysis
- Redesigned the flight analytics dashboard UI to enhance data visualization and improve user navigation
- Developed scripts to extract targeted data points from a cloud-based database and automate the data rendering into interactive charts and graphs with the Chart.js library

Backend Developer in Team Tech | Gainesville, FL

September 2024 – April 2025

- Built backend functionality for a system to calculate positional data relative to surrounding satellites using orbital mechanics and TLE data
- Collaborated with aerospace and frontend teams to parse and calculate orbital paths, ensuring accurate satellite visualization on a web platform
- Maintained active involvement in regular team meetings and workshops, offering backend insights and driving technical progress

Leadership & Activities

Society of Asian Scientists and Engineers | Gainesville, FL

SASE Intern: Mentor-Mentee Committee, Spring Banquet Committee

January 2025 – April 2025

- Consistently met with Mentor-Mentee committee members to plan, budget, and promote for our event
- Shadowed board members to help organize and advertise for functions
- Worked with decoration committee members to budget, design, and create decorations for the event

Women in Computer Science and Engineering | Gainesville, FL

Outreach Committee Member

September 2024 – April 2025

- Contacted other student organizations to arrange workshops and booths for an annual Code-a-thon
- Prepared for and led outreach coding classes in collaboration with a local middle and high school
- Volunteered at bi-monthly service events and worked with other on and off campus organizations

Society of Women Engineers | Gainesville, FL

Council Member, Mentorship Committee Representative

September 2024 – November 2024

- Organized mentorship initiatives throughout the semester to connect upperclassmen and underclassmen
- Communicated with other board members to promote event and gather necessary supplies
- Led bi-weekly meetings among the committee and ensuring a proper timeline is followed

Projects

Study Abroad ePortfolio | JavaScript, HTML/CSS

July 2025

- Built a multi-page personal website to document and reflect my study abroad experience run on GitHub Pages
- Designed Figma page layouts and translated mockups into responsive HTML/CSS and JavaScript elements
- Enhanced user experience with interactive photo galleries and smooth navigation to support visual storytelling

Minesweeper | C++, SFML

April 2025

- Developed a fully functional Minesweeper game using C++ and the SFML graphics library
- Handled mouse and keyboard input from user to reveal tiles, place flags, and navigate game states
- Used object-oriented design and file I/O to enable custom game board sizes and a paused and debugging mode

Skills & Interests

Technical: C++, Python, R, HTML/CSS, JavaScript

Relevant Coursework: Programming Fundamentals 1 & 2, Programming With Data in R, Applications of Discrete Structures, Differential Equations

Interests: Frontend Development, Ethical Advancements in Artificial Intelligence