Abigail Lin

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GitHub: https://github.com/HelloWorld7-beep

Education

University of Florida | Bachelor of Science in Computer Science | Math Minor
August 2022 - May 2026
GPA: 3.74/4.00
Relevant Courses: Data Structures and Algorithms, Elementary Differential Equations, Linear Algebra for Data Science, Intro to Numerical Analysis (Fall 2024), Operating Systems (Fall 2024)

Research Experience

Undergraduate Researcher with Dr. Catalin Voiniciuc

January 2024 - Present | University of Florida, Voiniciuc Lab

- Participating in the UF AI Scholars Program for undergraduate research.
- Working on computationally generating CSLA enzymes with programmable activities using a diffusion model.
- Programmed an e-portfolio website using HTML and CSS.

Research Experience for Undergraduates (REU) with Dr. Carlos Borges

May 2024 - July 2024 | University of Central Florida

- Worked as a summer research assistant as part of the Applied Computational Mathematics REU funded by the National Science Foundation.
- Programmed a solver for the forward scattering problem for objects with thin coatings, comparing results of approximated coding via the impedance versus the transmission problem.

Research Assistant with Dr. Catalin Voiniciuc

January 2024 - May 2024 | University of Florida, Voiniciuc Lab

- Automated synthetic biology lab work using 2 Opentron OT-2 lab robots to decrease human error and increase efficiency.
- Tailored Python OT-2 protocols for PCR and plasmid extraction.

Presentations

Summer Poster Showcase

July 2024 | University of Central Florida

- "Forward Scattering for Thin Coated Domains: Numerical Solution Using Generalized Impedance Boundary Conditions," *Summer Poster Showcase*, University of Central Florida, Orlando, Florida, July 2024.

Involvement

Phi Sigma Rho

January 2024 - Present

- Participated in various sorority events, including volunteering, fostering a supportive community for women in STEM fields.