

August McDaniel

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Education

University of Florida, Herbert Wertheim College of Engineering

Expected May: 2028

Bachelor of Science in Materials Science and Engineering

GPA: 3.74/ 4.00

Eastside High School

August 2020 - May 2024

IB Diploma, National Merit Scholar

Experience

Undergraduate Researcher

September 2024 - Present

Neitzel Group, University of Florida

- Worked with a team to optimize reaction conditions for functionalizing charged polymers via thiol-ene click chemistry
- Created an online database for chemical inventory management
- Trained on NMR Spectroscopy, Thermogravimetric analysis, and Fourier Transform Infrared Spectroscopy

Reception and Event Staff

University of Florida Baughman Center

June 2025 - Present

- Providing well-informed customer service to clients in accordance with University regulations and company policies, as well as maintaining the grounds and administration building to an acceptable standard

Teaching Assistant - Organic Chemistry 1

University of Florida

January 2026 - April 2026

- Hosted weekly supplementary instruction sessions with a subgroup of the Organic Chemistry 1 class
- Wrote powerpoints summarizing acid/base chemistry, IUPAC naming, and organic synthesis

IRHA Residential Hall Council President

September 2024 - May 2025

University of Florida, Gainesville, FL

- Hosted monthly events to promote a social atmosphere with up to 350 attendees
- Earned Rising Star award as area government president

Chemistry Tutor

August 2025 - Present

Student Led Academic Peer Study

- Host tutoring sessions 3 times a week to improve educational outcomes for students in General Chemistry 1 for Engineers

Technical Skills

Proficient in Python and MATLAB