

Caleb Adams Wiese

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EDUCATION

University of Virginia School of Engineering & Applied Science, Charlottesville, VA 2024 - Present

Candidate for Bachelor of Science in Electrical Engineering

Anticipated Graduation: May 2028

- GPA: 3.59/4.00

Math, Engineering, and Science Academy, Albemarle High School, Charlottesville, VA 2020 - 2024

- GPA: 4.74 (weighted)
- Regional Science Fair
- Math Honor Society

JOB EXPERIENCE

University of Virginia, Charlottesville, VA

8/2025 - Present

Lifeguard

- Working to fund UVA tuition.
- Maintaining a safe environment for all patrons by scanning the pool, enforcing rules, and maintaining cleanliness standards.

Blackmarker, Charlottesville, VA

6/2024 - 8/2024

Data Specialist

- Assisted in the development of AI-powered document redaction software.
- Tagged data for random forest AWS Sagemaker model.

Albemarle County Parks and Recreation, Chris Greene Lake, Charlottesville, VA

5/2025 - 8/2025

Lifeguard

- Delivered a safe, clean, and fun beach environment for all patrons by guarding attentively, picking up trash, and maintaining the water mushroom.
- Filled in as head guard frequently and arrived to work early every day to help with beach setup.

OTHER EXPERIENCE

Missile Booster Code Design Project

- Developed missile stage delta-v optimization tool on behalf of US Navy.
- Incorporated rocket physics, length restraints, and a genetic algorithm iteration process to create a state-of-the-art Python-based program.
- Iterated multiple prototypes to perfect the program's efficiency and accuracy based on feedback from the Navy representative.
- Collaborated over a 4 month project period with 5 diverse team members.

Relevant Class Experience - Electronics, Signals & Systems, Digital Logic Design, Applied Circuits, CSO1, Engineering Foundations 2

Programming/Software Experience - VHDL, Verilog, Quartus, ModelSim, KiCad, WaveForms, Python, MATLAB, Java, Excel