

Aidan Cuy

401-680-3792 | accuy@wm.edu | www.linkedin.com/in/aidancuy

OBJECTIVE

Graduate student pursuing an MS in Computer Science with a specialization in Computational Operations Research with an **active DoD Secret Clearance** and experience in simulation and modeling. Applied mathematics undergraduate with engineering experience and a strong understanding of linear modeling, optimization, and data analysis software. I am looking to join a team where I can utilize these skills, bring new ideas, and illustrate my strong leadership.

EDUCATION

M.S. Computer Science – Computational Operations Research 2023 – 2024 (Planned)
William & Mary, Williamsburg, VA
GPA: 3.72

B.S. Applied Mathematics 2019 – 2023
William & Mary, Williamsburg, VA
GPA: 3.80
Honors & Awards: Summa Cum Laude, Provost Award (4x), Dean's List, First Team All-America Scholar Athlete

COMPUTER SKILLS

- Languages – Python, R, AMPL, SIMAN, MATLAB, C, SQL
- Applications – \LaTeX , MS Office, Scikit Learn, Pandas TensorFlow, Keras, PyTorch
- Operating Systems – Windows, Unix

PROJECTS

Traffic Intersection Simulation Fall 2024

- Worked with VDOT and members of Williamsburg City Engineering Department to obtain data. **Coded a simulation and animation** of a local intersection with long wait times and low throughput.
- Presented the findings and **offered solutions** to these two departments. This work was conducted in SIMAN/Arena.

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant – *William & Mary* Aug 2023 – Present

- Graded 30 – 40 upper-level mathematics students' work and provide them with written feedback each week.

Power Systems Engineering Intern – *Electric Boat, CT* Summer 2023

- Supported propulsion and electrical system work conducted by the Integrated Power Systems (IPS) department for the Columbia-Class Submarine.
- Wrote scripts in MATLAB that transformed electrical signal data into sound measurements. Presented results to the team on optimizing ship signature under differing conditions.

Waterfront Engineering Intern – *Electric Boat, CT* Summer 2021

- Communicated with vendors, other company departments, and performed calculations to ensure fluid systems for Virginia-Class Submarines functioned properly.
- Set up EB's first intern exchange event where I educated current and future interns about broader company processes and goals that come with submarine development, from planning all the way to its commission.

COLLEGIATE INVOLVEMENT

DI Collegiate Men's Gymnastics – *William & Mary* 2019 – Present

- 2x Team Captain and recipient of the team's **Mister and Rock Awards**. These awards are given to the one most **responsible for the team's character** and success, and **most dependable** when the going gets tough.
- **2024 Nissen-Emery Award Finalist**. Awarded to the year's senior collegiate gymnast with an outstanding record of achievement during his college career. Chosen among thirteen other finalists. (11th in school history)
- **2023 USAG Collegiate National All-Around Champion** (5th gymnast in the school's history)
- Top point scorer for the 2021-2023 seasons

Omicron Delta Kappa (ODK)

- Selective Honor Society that recognizes superior leadership and exemplary character in its members

OTHER SKILLS

- Active Department of Defense Secret Clearance
- **Languages:** Intermediate conversational Japanese and Spanish