

William Stadtlander

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EDUCATION

Virginia Polytechnic Institute and State University

May 2023

BS, Computer Engineering w/ Focus in Machine Learning

Blacksburg, VA

- GPA: 3.33
- Courses of Note: Embedded Systems, Computational Engineering, Fundamentals Digital Systems, Signals and Systems, Integrated Design Project, Elementary Japanese

WORK EXPERIENCE & PROJECTS

CACI International Inc.

May 2021 – Present

Software Engineering Intern

Sterling, VA

- Developing resource management web app using React for front end/UI and Java and Spring for back end.

Grado Department of Industrial and Systems Engineering

Oct. 2020 – Present

Student Researcher

Blacksburg, VA

- Preparing to conduct research on how university and elementary level students respond to education in immersive virtual environments.
- Developed a virtual environment as member of an interdisciplinary team focused on providing accessibility to elementary level students otherwise lacking access.
- Conducted demonstration for local-public school educators and administrators.

Pulse Oximeter, Integrated Design Project

Jan. 2021 – May 2021

Project Co-Leader

Blacksburg, VA

- Researched and developed integrated circuit prototype of pulse oximeter.
- Developed software in Arduino and contributed to hardware development of signal filtering.

SKILLS & INTERESTS

- **Skills:** Python, C++, C, Java, JavaScript, MATLAB, Git, HTML5, Leadership, Teamwork, Writing, MS Office
- **Interests:** Computer Hardware, Cooking, Formula One, High Fantasy, Hiking, Learning Languages

UNIVERSITY INVOLVEMENT

Student Engineers' Council

Blacksburg, VA

Leadership and Engagement Chair

Apr. 2021 – Present

- Organizing a recruitment and leadership event series to benefit students in the college of engineering.

Membership Enrichment Chair

May 2020 – Apr. 2021

- Worked as a part of a nonprofit organization, supporting, and engaging with students at Virginia Tech by organizing the largest engineering career fair and developing vocalizations of their experiences.

Freshman Committee Member

Sep. 2019 – May 2020

- Planned, promoted, and managed an Engineering Research social, doubling attendance over previous years.

Center for the Enhancement of Engineering

Aug. 2020 – Nov. 2020

Engineering Mentor

Blacksburg, VA

- Provided outreach and guidance to a group of six General Engineering freshmen.

Formula SAE Design Team

Sep. 2019 – Oct. 2020

Electric Power Train Member

Blacksburg, VA

- Obtained skills in circuitry, soldering, and teamwork, to engineer a competitive formula monocoque vehicle.