William Stadtlander

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EDUCATION

Virginia Polytechnic Institute and State University   **December 2023**
BS, Computer Engineering w/ Machine Learning Focus   *Blacksburg, VA*
- GPA: 3.33

EXPERIENCE

Google   **Sep 2021 – Present**
Software Engineer Intern   *Virtual – (Team located in Waterloo, ONT)*
- Working on Stadia Engineering Productivity.

CACI International Inc.   **May 2021 – Aug 2021**
Software Engineer Intern   *Sterling, VA*
- Designed Resource Alternative Management Service (RAMS), a tracking tool to manage team's hardware, virtual machines, and build statuses.
- Utilized technology suites including Java, Spring Boot, and React to produce an application with a modern interface.
- Developed in an Agile working environment using configuration management tools, such as JIRA, to track features, bugs, and various tasking.
- Delivered ahead of schedule when meeting internal targets. Demonstrated to internal user group and management at the end of summer internship.

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:** C++, JavaScript, Java, Go, C, Bash, HTML, Node, React, Spring, SQL, Linux, Git, DS&A, MS Office
- **Interests:** Computer Hardware, Cooking, Formula One, High Fantasy Literature, Hiking, Learning Languages

UNIVERSITY INVOLVEMENT

Grado Department of Industrial and Systems Engineering   **Oct 2020 – Present**
Student Researcher   *Blacksburg, VA*
- Preparing to conduct research on responses 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.

Student Engineers' Council   **Sep 2019 - Present**
Multiple Positions   *Blacksburg, VA*
- Planned, promoted, and managed events to engage and benefit CoE students, including organizing a leadership event series, engineering research social, and the annual engineering career fair.