Eric Souder

Passionate and motivated Engineering Physics student.

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EXPERIENCE

UBC Rocket, Vancouver, BC— *Avionics and GNC Team Member*

SUMMER 2020

Worked with a group of dedicated engineering students to design and manufacture avionics hardware and software for our space-capable rocket. Focused on embedded firmware development in C, including flight logic/GNC development, IO integrations, real-time operating systems, and unit/CI testing. Contributed to documentation and reports for internal use and for external qualification.

Vancouver Arts Colloquium Society, Vancouver, BC— *Web Developer/Teaching Team Member*

SUMMER 2020

Collaborated virtually with a team to support the online operations of the Vancouver Arts Colloquium Society. Developed and maintained technology and UI/UX solutions to further the organization's goals. Developed and taught modules for the Future Leaders in Arts Program, including synchronous instruction and asynchronous content development.

Vancouver Aquarium, Vancouver, BC— *Interpretive Delivery Volunteer*

DECEMBER 2017 - PRESENT

Worked with a large team of staff and volunteers to build dialogues with visitors and clearly communicate scientific and conservation messaging to guests from around the world.

Tupper Mini School, Vancouver, BC— *Student Vice Chair, Technology Chair*

SEPTEMBER 2016 - JUNE 2020

Interpreted requirements from staff and administrators, presented options, and worked with them to create technology solutions. Lead a team of students to create and maintain the official school website.

EDUCATION

University of British Columbia, Vancouver, BC— *BASc*

ANTICIPATED GRADUATION 2024

SKILLS

Programming languages, including C, C++, Python, Bash, and Javascript.

CSS and HTML

SQL baseline skills

Windows and Linux operating systems.

Collaboration tools, such as Confluence, Git, and Jira.

General office and communication software, including Office 365, Slack, Google Workspace, Zoom, and Teams.

Creation and maintenance of documentation and reports.

AWARDS AND ACCOMPLISHMENTS

Computer Science - Top student at Sir Charles Tupper Secondary School in Computer Science.

Schulich Engineering Leadership Award - Nominee, 2019

World Scholar's Cup -5th globally, 2018.

REFERENCES

Available upon request.