SIMON HATHOUT WILLARD

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First year Engineering Student at UBC, specializing in Engineering Physics. Strong competency with technology and is able to pick up new tools quickly. Has experience taking unofficial leadership roles within a larger team, as well as teaching others both in formal and informal settings.

EXPERIENCE

Automation Subteam | Agroponics Design Team | University of British Columbia
September 2023-May 2024

Using Arduino sensor systems to measure PH and temperature in plant nutrient solution. Writing code to format data using JSON and transfer it wirelessly using MQTT. Using Git and Github for sharing code and documentation. Communicating progress with other subteams.

Cook | Camp Wasaga | Wasagaming, Manitoba
Summer 2022

Worked as part of a team to prepare meals for a camp of 60 without direct supervision, ensuring timely and high-quality service. Managed multiple concurrent tasks in a high stress environment. Implemented and refined existing recipes to better suit camp conditions. Trained new employees, with the help of a supervisor.

EDUCATION

Bachelor of Applied Science | University of British Columbia
September 2023-Present
- Principles of Engineering design, ethics, and tools.
- Diversity and inclusion, interpersonal skills.
- Writing technical memos, presentations, and general business communication skills
- Courses on introductory statics, dynamics, thermodynamics, and electric circuits.
- Chemistry and Physics lab skills.
- First Year Average: 92.9% — A+

High School Diploma | Westgate Mennonite Collegiate
January 2017-June 2023
- Worked in team settings, both in Drama productions and on Ultimate Frisbee team.
- Top 25% Canadian Computing Competition (Senior, 2023) and top 10% (Junior, 2022).
- Grade 12 Average: 95% — Honour Roll with Distinction

SKILLS

- Computer Programming: Two years Java Proficiency — including AWT and Swing, developing Python and C skills.
- Intermediate Microsoft Suite skills, including completing online courses on Excel and PowerPoint.
- Using windows command line to run programs and manage files.
- German Comprehension: B1 certification, 1-month German exchange program sponsored through competition in the Manitoba German Language Contest