

◉ ◉ HEATHER CAPE ◉ ◉

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EDUCATION

Bachelor of Software Engineering September 2013-2018 (anticipated)
University of Victoria
Second year student
Cumulative GPA: 8.3/9 (A)

Relevant Courses:

Software Development (C, Python, Linux)
Introduction to Computer Architecture (C, AVR)
Data Structures and Algorithms (Java)
Software Architecture (MEAN Stack, HTML, CSS, JavaScript)
Human Computer Interaction (UI Design)

TECHNICAL SKILLS

Languages: Python, C, Java, HTML5/CSS, PHP, Matlab, UML

Tools: Github, SVN, Bootstrap, Node.js, MongoDB, Microsoft Office Suite, LaTeX, Adobe Photoshop; In Windows, Mac, and Linux environments.

Communication: Very experienced in speech writing and public speaking through numerous Model United Nations conferences and debate tournaments. Adept in evaluating arguments and ideas based its social, financial, political, etc. values.

WORK EXPERIENCE

Systems Integration Test Engineer *January-May 2015*
General Dynamics Mission Systems *Calgary, AB*

- In Python: Wrote a pathfinding algorithm to find possible connections between communicating devices
- Executed and wrote formal and informal test procedures with the results to be used in the field
- Monitored the systems and software on a daily basis, reporting and investigating errors.
- Installed software and debugged issues with applications and tools

VOLUNTEER EXPERIENCE

Engineering Student Society

September 2014-Ongoing

University of Victoria

Victoria, BC

- Director of Student Relations: Ran social events for the student body, planned financing for the engineering clubs, organized an industry networking banquet.
- Director of Services: Managed the ESS merchandising, took care of office and supplies.
- Attend faculty, event, and co-op meetings on behalf of the society.

PROJECT WORK

Personal Computer Projects

Ongoing

- Self-taught HTML and CSS for use in customizing social networking profiles (e.g. Tumblr blog pages) and building a personal website with Bootstrap
- Built my own gaming PC: Researched parts, assembled, and debugged.

Gym Facility Room Registration System

Ongoing

- Working with several other SEng students
- Using the MEAN stack, HTML and CSS for a user-based, registration system for a recreation centre.

Autonomous Robot Programmer

January 2014-April 2014

- Worked in a group of four different disciplined engineering students to build, wire, and program an autonomous robot
- Programmed and debugged in RobotC using primarily switch and case framework
- Incorporated and programmed with IR sensors to detect simulated radiation
- Our successful design received an A grade

ACTIVITIES AND CLUBS

Member of UVic Women in Computer Science and Engineering

Member of UVic Super Smash Bros. Club

Hobbies include video games, board games, and illustration

League of Legends - Gold 3 Ranked

AWARDS

Governor General's Bronze Medallion awarded for highest graduation average (97.16)

UVic Dean's Engineering Scholarship

2013 1st Place Pair -Vancouver Island Debate

2013 4th Place Pair - British Columbia Debating Provincials and Nationals Attendee