STEPHANIE CHEN

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EDUCATION

University of British Columbia

Bachelor of Applied Science (BASc) in Electrical Engineering (2023 with co-op)

Presidential Scholar Award ($60,000)

Dean's Honour List (3.80 GPA)

Engineering Undergraduate Society (EUS) First Year Council Secretary (2018-19)

Western Canada High School

IB Diploma + Alberta Diploma

Old Boys Honour Society, Alexander Rutherford Scholarship

SKILLS

Languages

C, Verilog, Assembly, R, MATLAB, JavaScript, HTML, CSS, Java

Programs

Microsoft Office, Visual Studio, RStudio, SolidWorks, Azure Machine Learning, TIBCO Spotfire

Visual

Adobe Photoshop, DaVinci Resolve

Professional

Team work, leadership, communication; hard working and dedicated in each role

EXPERIENCE

Summer Student, Husky Energy   05/2019 – 08/2019

- Analyzed production data to create meaningful, responsive visualizations using AccuMap and TIBCO Spotfire
- Modelled oil and water production forecasts using various declines and type curves
- Use of Iron Python, R, HTML, CSS, JavaScript

UBC Biomedical Engineering Student Team (BEST)   02/2019 – now

- Helped create ADD/ADHD diagnosis Android application for NeuroTech X open and fixed challenges, video here
- Use of EEG, MATLAB, Python

PROJECTS

Moody Chat (web application) for UBC nwHacks   01/2020

- Co-created a messenger app that colourfully indicates the tone of a message using Google's Natural Language Processing API to help Asperger's patients have better conversations
- Use of Node.js, Express, JavaScript, HTML, CSS, socket.io

Mentr (iOS application) for UBC Local Hack Day   11/2019

- Co-created a fully functioning mentor/mentee matching iOS application to connect high school students to university-level mentors in under 12 hours, placing 6th out of 55 teams
- Use of Node.js, Express, AWS, Swift, Sketch

Assistive Technology Design Competition - 2nd place   03/2019

- Created an innovative assistive attachment to wheelchairs to improve ease of use for users with limited triceps mobility
- Use of SolidWorks to design and 3D print device

Multipurpose Robotic Claw   02/2019

- Designed, constructed, and programmed a robot claw using SolidWorks, Arduino, C, aluminum, and basic hand tools