

Chantelle Xu

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EXPERIENCE

iGEM University of Calgary | June - August 2022

- Volunteer for the U of C iGEM 2022 team (Monday – Friday, 8am – 12pm).
- Wet lab jobs: preparing media, autoclaving, growing bacteria cellulose, calibrating pipettes.
- Dry lab jobs: learning how to model information for the wet lab, and 3D print tools
- Team won the iGEM 2022 award for Best Sustainable Development Impact.

Technical Skills: MATLAB and Python.

UBC Biomedical Engineering Student Team (M2M Project) | September 2022 - Current

- M2M (Multiple Sclerosis to Movement): creating a glove that uses sensors to detect the hand movements of patients with MS. Using sensor data, games can be played that aid physical therapy.
- Mechanical team: developing glove design, and building iterations of a Glove Box, used to put on and remove the glove using magnets – designing/building box on SolidWorks and woodworking.
- Personal project: testing the potential of motion capture to replace “bulky” sensors, and to solve current issues with proximity sensors.

Technical Skills: SolidWorks, woodworking.

UBC Biomedical Engineering Student Team (General) | September 2022 - Current

- Mentorship program: workshops throughout the year to develop skills in Python, SolidWorks, and Arduino, as well as soft skills.
- Full team meeting: learning to solder and learning soft skills (resume workshop).

Technical Skills: Python, SolidWorks, Arduino prototyping, soldering.

Alberta College of Acupuncture and TCM | November 2020 - Current

- Clinic receptionist (2021 – 2022): opening and closing from 9:00am to 5:00pm every Sunday.
- Inventory management (June 2022 – August 2022): introduced a barcode system, and incorporated a software and algorithm to determine when new herbs and clinic material need to be re-ordered, and what quantity is most appropriate depending on usage and sales.
- Administration (May 2022 – current): being delegated tasks from the ACATCM admin team (editing documents, responding to emails, working on website, etc.)

Technical Skills: C, C++.

EDUCATION

University of British Columbia | September 2022 - Current

- Bachelor of Applied Science, Biomedical Engineering

EXTRACURRICULARS

Classical Double Bass: Calgary Youth Orchestra (CYO), RCM Grade 10.

Education Minister's Youth Council (Alberta): Leadership role within the provincial government.