



Allison Yao

Electrical Engineering

TECHNICAL SKILLS

Computer

- MATLAB
- C
- Verilog
- Assembly
- CSS, HTML, JS
- Microsoft Office
- Adobe Creative Suite

Electrical Equipment

- Oscilloscope
- Signal generator
- Multimeter
- Breadboard
- Soldering iron

Certifications

- WHMIS
- Class 5 SK Driver's License

ACADEMIC & CO-OP STATUS

Academic Program

- Electrical Engineering, Biomedical Engineering option; 4 of 8 academic terms completed
- Anticipated date of graduation: May, 2021

Co-op Status

- Completed 0/5 work terms; available for 4 months beginning May, 2018

TECHNICAL PROJECTS

Microcontroller Projects

January, 2018 – Present

- Designed and programmed independent projects such as an alarm clock and group projects such as a reflow oven controller using microcontrollers and Assembly language

Reduced Instruction Set Computer

October, 2017 – November, 2017

- Programmed a simple RISC machine using Verilog and Altera FPGA board while working with a partner to debug and implement code

Water Treatment Project

March, 2017 – April, 2017

- Devised a water collection, treatment and delivery system in a team of 6 using Excel simulations to find the most efficient solution

Assistive Technology

October, 2016 – November, 2016

- Designed and 3D printed an assistive device for those with limited arm motions to hold a guitar pick
- Conducted multiple iterations through the design process to ensure greatest satisfaction of stakeholders

OTHER WORK EXPERIENCE

Canadian National Institute for the Blind (Regina, SK)

June, 2017 – August, 2017

Camp Coordinator and Office Assistant

- Coordinated two summers camps for children with visual impairments including planning, budgeting, and leading the camps with about 20 campers and volunteers through effective organizational and management skills
- Managed the reception desk and store in an efficient and orderly manner, ensuring that calls were properly directed and assistive devices were properly recommended to clients with an outcome of 90% satisfaction

Kumon Center (Regina, SK)**August, 2014 – August, 2016****Teaching Assistant**

- Tutored students in math and English and promoted good studying habits for them to succeed in school and increase grades by 10% while maintaining a healthy and organized work environment for over 100 students

VOLUNTEER WORK EXPERIENCE**Humanitarian Organization for Providing Empowerment
(Vancouver, BC)****September, 2016 – Present****Graphics and Design Director**

- Directed a committee of 4 people, delegated tasks to meet deadlines and efficiently liaison with the other club committees

Wascana Rehabilitation Center (Regina, SK)**April, 2014 – July, 2017****Recreation Therapy Volunteer**

- Developed effective communication skills with different types of patients and assisted in the implementation of activities and games with 100% satisfaction from the patients

EDUCATION**University of British Columbia****Expected May, 2021****Bachelor of Applied Science - Electrical Engineering, Biomedical
Engineering option, Dean's List**

ENGINEERING STUDENT TEAMS**UBC BEST: MINT (UBC)****October, 2017 – Present****Mentee**

- Learned under senior members new ideas and concepts about EEGs, helped build and research circuit designs for the project

AWARDS

Bronze Medalist in Graphic Design at Skills Canada National Competition	2016
Gold Medalist in Graphic Design at Skills Canada Provincial Competition	2016
Saskatchewan General Proficiency Award: 85% average and above	2016
Lifetouch Scholarship: given due to my contribution in the graphic arts	2016

ACTIVITIES AND INTERESTS

Sports: volleyball, badminton, jogging

Arts: painting, illustration, crochet, embroidery

Reading: fiction, historical fiction, non-fiction

Instruments: piano, flute

Languages: Mandarin