

YEE WEI, CHAI

8712 Meadowlark Rd NW, Edmonton, AB T5R 5W4, Canada

Ph: (780) – 655 2831

Email: yeewei@ualberta.ca



Engineering Co-op Program
University of Alberta

ACADEMIC AND CO-OP STATUS

UNIVERSITY OF ALBERTA

Electrical Engineering, BSc Co-Op

Class of 2023

Cumulative Grade Point Average

3.0/4.0

Completed Academic Terms

4/8

Completed Co-op Work Term

0/5

Availability starting January 2021

8 months

TECHNICAL SKILLS

- **Programming language:** MATLAB, C, Python, C++, HTML, CSS
- **Hardware platform:** Arduino UNO, Arduino Mega 2560, Raspberry Pi Zero W, Renesas R8C 35D, Xilinx FPGA
- **Software:** Renesas High Performance Embedded, Arduino, Linux (beginner), VHDL (beginner), MATLAB (beginner)
- **Hardware:** Altium designer (CAD/IDE software, beginner), Digital and Analog design, Printed circuit board fabrication and troubleshooting
- **Tools:** Soldering iron, Etching machine, PCB drilling machine, Digital multimeters, Digital storage oscilloscopes, Spectrum analyzers
- **MS Office:** Word, Excel, PowerPoint

WORK EXPERIENCE

DATES: MAY 2019 – AUGUST 2019

ELECTRICAL ENGINEER INTERN (RESEARCH AND DEVELOPMENT DEPARTMENT)

DAIKIN ELECTRONIC DEVICES MALAYSIA SDN. BHD.

- Assembled and built a working prototype for the Automated Guided Vehicle project
- Developed the UART hardware and implemented RFID technology in the vehicle for navigation purpose
- Wrote the firmware for the UART and IO function
- Planned and executed the functional testing of an air conditioner controller prototype

ADDITIONAL EXPERIENCE

- **Hack the North**, University of Waterloo (13-15th September 2019)
 - Worked on "Fridge Feed", a web app aiming to reduce food wastages through inventory tracking
 - Developed the voice-user interface using Google Home Mini and Voiceflow
- **Lounge pianist (part time)**, Sunway Hospital, Malaysia (January 2018 – August 2018)
 - Rendered recitals on a grand piano for hospital guest s entertainment

- **Administrator (Part time)**, Fo Guang Shan Monastery, Malaysia (May 2018 – July 2018)
 - Performed data entry, clerical work and over-the-counter service public liaison
 - Coordinator between multiple internal and external organizations
 - Assisted in planning and organizing public events

VOLUNTEER EXPERIENCE

- **Volunteer, Fo Guang Shan Monastery in Taiwan (December 2016 & December 2017)**
 - Attended to the tasks and duties such as housekeeping, tour guide and receiving the public congregations who visited the monastery.
 - Experienced working with people of different age and background
- **Assistant secretary, organizing committee of Sunday school**
 - Planned and organized weekly moral classes for youth of elementary and high schools.
 - Acquired skills such as curriculum planning, budgeting, photography, PA (public address) systems and being a master of ceremony.
- **Volunteer, Selangor Society of Prevention of Cruelty to Animals**
 - Maintained and attended to animal hygiene and psychological needs in the shelter.
- **Organizing member, “Pay It Forward” project**
 - Organized activities to encourage young students to build confidence and courage to overcome obstacles and skepticism and live out their dreams.

ACHIEVEMENTS

- **2017:** Organized school bazaar and attracting 70 participants, 1500 visitors, 1290 CAD of sales turnover
- **2016:** Student ambassador during final year of high school
- **2016:** 2nd place in Economics and Leadership Forum and Debate organized by the London School of Economics Students’ Society
- **2015:** Top-10 team prize in Science Games Day Competition, organized by Sunway University

INTEREST AND ADDITIONAL INFORMATION

- | | |
|---|---|
| <ul style="list-style-type: none"> • Piano certificates: <ul style="list-style-type: none"> - Awarded Associate Diploma of Piano Performance by Trinity College London - Achieved Grade 8 (theory and practical) by the Associated Board of Royal School of Music, UK - Achieved Grade 6 (piano performance) by the Yamaha Music Foundation • Willing to relocate | <ul style="list-style-type: none"> • Interest: <ul style="list-style-type: none"> - Building various working models like vending machine, electromagnet, water rocket and rubber band car. • Language fluency: <ul style="list-style-type: none"> - English (fluent) - Chinese (fluent) - Malay (intermediate) • Have a valid driving license |
|---|---|

Reference Available Upon Request