



ETHAN Y CHUNG

UNIVERSITY OF WATERLOO 2A BIOMEDICAL ENGINEERING

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EDUCATION

Candidate for Bachelor of Applied
Science in Biomedical Engineering

University of Waterloo
2017-2022

VOLUNTEER WORK

Red Cross Mobile Food Bank
Volunteer Manager
Toronto, ON
2015

Prostate Cancer Canada
Sales Representative / Race Marshall
Toronto, ON
2015-2016

Ontario Lung Association
Volunteer Race Marshall
Toronto, ON
2015

INTERESTS / HOBBIES

Legal Analytics - IP/Patent Law

Photography & Graphic Design

HOSA Competition 2017
International Qualifier

Varsity Curling
Regional Finalist

Varsity Badminton
Regional Qualifier

Guitar and Piano

SUMMARY OF QUALIFICATIONS

- * Proficient in SolidWorks, AutoCAD and Fusion360
- * Experienced with C#, C++; familiar with Arduino, MatLab and Python
- * Working Knowledge of HTML5, CSS, Adobe XD; familiar with XML and JavaScript
- * Proficient in Adobe Illustrator and Photoshop

PROJECTS

AUTOMATED SYRINGE LOADER

Personal Project / Toronto, ON

- * Designing and 3D printing the turntable and mixing station for vials
- * Medical Device to fully automate the process of preparing chemotherapy medication using an Arduino Mega Micro-controller
- * Utilises pistons to guide the syringe into the vial and stepper motors to assist with mixing and rotating vial positions

PERSONAL WEBSITE

Personal Project / Toronto, ON

- * Created personal website using HTML5, CSS, Bootstrap and Javascript
- * Current PHP contact form not supported by github host
- * Portfolio section to be added when more diverse projects are completed

ENABLE TEAM

Student Design Team Member / Waterloo, ON

- * 3D printed moulds and manufactured parts for E-nable prosthetic arms
- * SolidWorks and Fusion360 used to customize hand for donor
- * Assembled the fingers and main attachment point of the prosthetic hand

WANDER APP

StarterHacks / Waterloo, ON

- * Using XML and Illustrator, co-coded UX/UI design for wishlist app
- * Adopted Google APIs and Firebase to access location services and Node.js web application running on Amazon Web Service to support query functions

PERMAFIST

Design Project / Waterloo, ON

- * Modeled, Designed and 3D printed device in SolidWorks to reduce the chance of sustaining a wrist fracture when falling
- * Test Design, Human Factors and Accident Analysis carried out carried on final design

EXPERIENCE

SCARBOROUGH MEDICAL CENTRE

Administrative Assistant / Scarborough, ON

- * Co-ordinated patient schedules and maintained open line of communication between patients and physicians
- * Processed incoming faxes, OHIP billing, legal invoices, record transfers and resolved patient and lab related issues

DES VOEUX CHAMBERS

Barrister Intern / Hong Kong SAR

- * Analyzed financial case files to establish a chronology of events
- * Deliberated defenses for the case and met with the clients to further discuss legal action

ANNIE HO AND PARTNERS

Solicitor Intern / Hong Kong SAR

- * Drafted e-mails on behalf of clients to address their legal situations
- * Analyzed legal documents; mortgage papers, debt collection, and provided legal advice over the phone