

# ETHAN Y CHUNG

UNIVERSITY OF WATERLOO 2A BIOMEDICAL ENGINEERING

ethanykc.github.io



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## SKILLS

HTML5	SolidWorks
CSS/XML	AutoCAD
Mockplus	Fusion360
Illustrator	C#/C++
Adobe XD	JavaScript

## VOLUNTEER WORK

Red Cross Mobile Food Bank  
Volunteer Manager  
Toronto, ON  
2015

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

Ontario Lung Association  
Volunteer Race Marshal  
Toronto, ON  
2015

## INTERESTS / HOBBIES

Legal Analytics - IP/Patent Law

Photography & Nature

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 and CSS; familiar with XML and JavaScript
- Proficient in Adobe XD, Illustrator and Photoshop

## PROJECTS

### AUTOMATED SYRINGE LOADER

Design Project / Waterloo, ON

- Designing and 3D printing the turntable and mixing station for vials
- Utilises pistons to guide the syringe into vial and stepper motors to assist with mixing medication and rotating the vial positions

### ENABLE TEAM

Student Design Team Member / Waterloo, ON

- 3D printed moulds and manufactured parts for 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

- Developed, modeled, and 3D printed functioning prototype device to reduce the chance of sustaining a wrist fracture when falling

## SIDE PROJECTS

- Created personal website using HTML5, CSS, Bootstrap and JavaScript
- Coded Connect4, Slide puzzles, and Drug Sorting Algorithms in C# with use of recursion and arrays

## 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 consultation over the phone