

Summary of Qualifications

- 2+ years of software experience in **C++**
- Full stack development experience with **HTML, CSS, Javascript, jQuery**, and **C#** using **Visual Studio**
- Self-taught **SQL** with multiple online resources and used in work environment
- Familiar with **Python** and **Linux**
- Experience with AutoCAD and SolidWorks
- Quick learner with effective time management habits demonstrated by academics success and previous work experience

Work Experience

Junior Web Developer, Envision IT, Canada

Jan 2017 - Apr 2017

- Created an **API** for Ontario Medical Association that allowed physicians to invite and edit users using **C#**
- Provided users simpler access to the API by building a GUI using **HTML, CSS, jQuery**, and Javascript plug-ins
- Improved user experience on **Microsoft Sharepoint** and **Azure** sites by fixing bugs and updating pages to be mobile friendly using **Bootstrap**
- Wrote **Microsoft SQL** scripts for retrieving data and updating database in Azure

Intern, Jin Ke Machinery Engineering Ltd., China

Jul 2016 - Aug 2016

- Facilitated factory's external communication with clients by translating emails and documents
- Increased internal productivity by rearranging 250+ orthogonal drawings with patience and attention to details within 2 hours

Intern, The Coding Bull, Canada

Apr 2016 - Jun 2016

- Reviewed and tested mobile applications on Android
- Increased traffic by reorganizing the inventory system for an online store on Shopify
- Performed bookkeeping using Xero and Quickbooks with strong analytical skills

Education

University of Waterloo, Canada

Candidate of B.A.Sc in Mechatronics Eng., Sep 2016 - Present

Related Courses: Data Structures and Algorithms (C++)

Achievements

Waterloo Engineering Competition (Programming) - 1st runner-up

University of Waterloo Fall 2016 Dean's List for being one of the top students

University of Waterloo President's Scholarship for an admission average of 94%

2017

2016

2016

Interests

Music, Netflix, Tetris, Table Tennis, Cycling, Shuttlecock, Sleep, TED Talks

Projects

Text Compressor, C++

- Compressed messages with Huffman Coding method by building a binary tree

Matrices Solver, C++

- Solved any sizes of square matrices from user input
- Improved processing time from 5s to under 1s by storing the determinants in a dictionary

Tic-Tac-Toe Robot, Robot C

- Played against a human by setting up the game, calculating its moves, and plotting on a whiteboard

Hangman, Python

- Selected a random word from a list and started a game with the user

Volunteering Experience

Director, University of Waterloo Engineering Society, Canada

Feb 2017 - Present

- Organizes faculty-wide events by coordinating with others using communication and leadership skills
- Keeps track of resources by managing funds and preparing budget forms using organization skills

Founder and President, Eric Hamber Shuttlecock Club, Canada

Sep 2015 - Jun 2016

- Created Vancouver's first shuttlecock club with under \$100 budget using exceptional planning skills
- Recruited and coached 15+ members with excellent persuasive and communication skills
- Organized club activities and meetings every week by coordinating with teacher in charge