

ABOUT ME

As a University of Waterloo student studying Systems Design Engineering, I love building and designing methods to solve problems. From human-machine systems to software applications, I have a passion for figuring out how things function and enjoy applying my knowledge to real world applications. My experience includes product design, software development, machine shop work, leadership, and design team involvement

WORK EXPERIENCE

Software Developer — D+H

September–December 2016

- Developed efficient WCF services and ASP.NET Web APIs using multi-tier architecture patterns to implement secure information transfer protocols
- Designed complex methods and stored procedures to be used by offshore teams and the product globally
- Constructed use cases for clients to demonstrate customer efficiency and product integration
- Worked with a team in an agile environment which consisted of daily scrums, weekly demos, and biweekly sprint planning sessions

Software Developer — BroadConnect Telecom

January–April 2016

- Built a real-time text messaging system using Twilio REST API and WebSockets to improve interaction with customers
- Increased productivity of support agents by developing a more intuitive and interactive design platform
- Assembled a website using Django and Bootstrap to advertise new products for the company
- Efficiently managed and stored company data using PostgreSQL

Administrative Assistant — Compass Clinic

May 2014–June 2015

- Created psychological reports with patient assessments, supporting ten doctors and therapists
- Provided assistance to patients through receptionist work while maintaining excellent client relations

Sailing Instructor — Royal Vancouver Yacht Club

Summer 2013 and 2014

- Planned and conducted dynamic lessons for classes
- Responsible for twenty students aged 5-16
- Lead group activities on land and water during instruction in challenging weather conditions

TECHNICAL SKILLS

Software

C#, C++, Java, Python, JavaScript, AngularJS, jQuery, HTML, CSS, MySQL, PostgreSQL, MVC Architecture

Hardware

Circuit Design, Arduino Microcontroller, PLCs, PCBs, HMI's, Solder Iron, Band Saw, Drill Press, WHMIS Training

Design

SolidWorks, AutoCAD, MS Office, Iterative Design, Design Sprints, System Modelling and Analysis, User-Centered Design, Human Factors, Cradle to Cradle, Adobe Illustrator/Photoshop

AWARDS

- Awarded 1st place at the UW Portal hackathon for creating a widget that allows students to connect online
- 3rd place at the UW Game Design Camp for designing a one button game
- Silver Duke of Edinburgh Award winner

ACTIVITIES/INTERESTS



Autonomous Sailboat Team, Arduino Projects, App Development, Hackathons



Sailing, Skiing, Snowboarding, Volleyball, Ultimate, Hiking, Climbing



Royal Vancouver Yacht Club Jr Executive Member, Building Dreams Club President