

TARA YUEN



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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 roles.

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

Full Stack Web 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*

- Applied international racing experience to lead and teach interactive lessons to athletes aged 5-15
- Lead group activities on land and water in challenging weather conditions

TECHNICAL SKILLS

Design

SolidWorks • AutoCAD • UI/UX • Iterative Design
User-Centered Design • Human Factors
Cradle to Cradle • Adobe Illustrator/Photoshop

Hardware

Circuit Design • Arduino Microcontroller
Soldering • Machine Shop Equipment

Software

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

PROJECTS

Connect | UW Portal Hackathon (1st)

Developed a messaging widget that allowed students to connect online

Plan-It | Accelerator Center Game Design (3rd)

Designed a one-button game for large format three-storey Christie Digital micro tile screens

Arduino Snake

Implemented hardware to create a snake game using tactile buttons, LEDs, and interrupts

GRT easyGO Redesign

Enhanced UI, conducted heuristic evaluations, design walkthroughs, and usability testing

ACTIVITIES/INTERESTS

Sailing

- Competed at the 29er World, North American, and National Championships
- Winner of the McMaster Invitational Regatta as part of the Waterloo Sailing Team

Skiing • Snowboarding • Volleyball • Ultimate
Hiking • Climbing • Guitar