

JESSIE WON

SYSTEMS DESIGN ENGINEERING

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WORK EXPERIENCE

Web Developer

Tomlin Group | 09/2016 - 12/2016

- Collaborated with marketing team to upgrade physical catalog into a web platform using HTML/CSS, Javascript, JQuery and PHP
- Implemented a MySQL database, and trained senior employees on database fundamentals to aid transition into computerization
- Redesigned graphics, icons and catalog in Photoshop, Illustrator, and InDesign to enhance UI/UX and align with product vision

Technical Implementation Specialist

ACS Athletics | 01/2016 - 04/2016

- Provided QA and tech support to clients and internal members through Zendesk, closing 29% of overall tickets
- Solved SQL Server database problems and created analysis reports
- Wrote macros using Excel VBA to optimize data importing, saving employees over 40 hours of seasonal work
- Conducted user acceptance and usability testing for new products

Sailing Instructor

Cadets Canada - CNS Hamilton | 09/2015 - Present

- Apply national-level C420 sailing and racing experience to create and teach interactive lessons to youth athletes
- Train cadets in drill, dress and deportment apprehended from over six years of service, while building teamwork and leadership skills

PROJECTS

Path | Finhacks | 11/2016

Designed and developed an Android app which prioritized and mapped multiple destinations for the best public transit route

Connect | UW Portal Hackathon (1st) | 03/2016

Developed a messaging widget to increase portal usage; feature is currently being further developed by the UW Portal Team

Plan-It | Accelerator Centre Game Design Camp (3rd) | 02/2016

Created a 1-button puzzle game for large format Christie screens

See these and more at jessiewon.me/#portfolio

SKILLS

Programming

C++ • Java • Python • Excel VBA • MATLAB
Javascript • PHP • SQL

Hardware

Arduino Microcontroller • PLCs • PCBs
Machine Shop • WHMIS Training

Design

HTML • CSS • Solidworks
Illustrator • Photoshop • InDesign

EDUCATION

Systems Design Engineering

BASc Candidate, University of Waterloo
09/2015 - Present

- President's Scholarship of Distinction
- Ranked 4th in class, Spring 2016

Relevant Courses:

- Digital Computation, Data Structures & Algorithms, Human Factors in Design

Relevant Projects:

- **Arduino Mastermind** - Implemented hardware to create mastermind game using tactile buttons and interrupts
- **Jobmine Redesign** - Enhanced UI and conducted heuristic evaluations, design walkthroughs, usability testing

INTERESTS

Varsity Swimming

- Currently training 15-20 hours a week, with 10+ years of race experience
- CIS Academic All-Canadian
- 2016 Gold Duke of Edinburgh recipient

Camping | Snowboarding | Piano