

# JESSIE WON

SYSTEMS DESIGN ENGINEERING

✉ jhywon@uwaterloo.ca  
👤 linkedin.com/in/jhywon  
🖱 jessiewon.me  
🔗 github.com/jessiewon

## 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](http://jessiewon.me/#portfolio)

## SKILLS

### Programming

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

### Hardware

Arduino Microcontroller • PLCs • PCBs

### Design

Illustrator • Photoshop • InDesign  
Solidworks • Human Factors • UI/UX  
User-Centered Design Methodology

## 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