

# Jonathan Wu

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## Experience

### U-Help Foundation

Summer 2017

#### Lead Web Designer and Developer | **HTML, CSS, jQuery, PHP**

- Prototyped and illustrated various wire frames, graphics, and functionality to help client envision the entirety of their ideal website.
- Ensured mobile and major browser compatibility through responsive design of website.
- Developed custom WordPress theme from scratch to enable the client to easily modify web content.
- Provided user training to ensure the client can be self-sufficient to administer and update the website.
- Conducted unit/functionality testing on all aspects for the user interface and experience.

### Ontario Teachers' Pension Plan

Summer 2015 & Summer 2016

#### Information Technical Analyst | **Java, VBA**

- Generated a significant time savings for team leads by independently designing, programming, and implementing a scheduler application that streamlined and automated a manual timetable creation process.
- Reduced incoming printer installation service requests significantly by constructing a printer installation program with Java, giving clients a visual and intuitive interface for printer installation.
- Created VBA Excel Macros for the HR department, streamlining the hiring process and increasing productivity.
- Ensured problems and processes were appropriately documented. Recorded problems, solutions, FAQs, and tips & tricks into the knowledge base and support sharing of known issues with teammates and clients.

## Education

### Bachelors of Science, Honours Computer Science

August 2018

Minor, Economics

Wilfrid Laurier University

### Notable Classes Taken

**BU111** – Understanding the Business Environment, **BU121** – Functional Areas of the Organization, **CP213** – Object-Oriented Programming, **CP317** – Software Engineering, **CP363** – Databases, **CP372** – Computer Networks, **CP386** – Operating Systems, **CP469** – iPhone Application Programming, **CP460** – Applied Cryptography

## Passions

### *Projects*

#### **Fully Modular Keyboard**

SPI Keyboard Modules | **Arduino**

Designed and prototyped keyboard modules which connect to each other via magnetic connectors as well as established the embedded code for SPI protocol.

#### **DIY Electric Skateboard**

Raspberry PI Wireless Electric Skateboard | **Python**

Created an electric skateboard from the ground up, everything from gluing veneer layers together to programming the speed controller and Bluetooth remote.

#### **WealthBeing**

Money Saving WebApp | **Ruby on Rails, HTML, CSS, jQuery**

Developed the entire front-end as well implementing the rounding off of credit card spending's and depositing it into a WealthSimple investment account.

#### **Robocop**

License Plate Recognition Software | **C++, Swift**

Worked with the team on iPhone app development, helping with UI as well as use of openalpr.

#### **Aura**

Consumer Telepresence IOT Device | **Arduino, Swift**

Mentored team on using Swift and aided in implementing Core Motion into the app

### *Skills*

#### **Languages:**

Java, C, Python, HTML, CSS, JS, Swift, SQL

#### **Tools and Software :**

Adobe Photoshop & Illustrator, Eclipse, XCode, Git, CAD Software, EAGLE, VirtualBox, VMware, Office365

### *Interests*

#### **Hobbies:**

Mech Keyboard enthusiast and community member

Built and avid user of a 3D printer

Part of a maker community/space

Top 1% of League of Legend and CSGO players

#### **Awards :**

1<sup>st</sup> place at Hack the Night Away for 'Robocop'

2<sup>nd</sup> place at Hack the 6ix for 'Aura'

Finalist in WealthSimple workshop for 'Wealthbeing'

Duke of Edinburgh Silver award recipient

Certified National Lifeguard