Jonathan Wu

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[wuwica](https://github.com/wuwica)

Experience

U-Help Foundation Summer 2017

Lead Web Designer and Developer | HTML, CSS, jQuery, PHP, Adobe Ps & Ai

* Improved company brand identity and outreach by building a platform to receive donations and connections.
* Prototyped and illustrated wire frames, graphics, and functionality to help client envision their ideal website.
* Ensured mobile and major browser compatibility through responsive design of the 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 in administering and updating the website.
* To ensure robustness, unit and functionality testing was conducted on all aspects for the UI and experience.

Ontario Teachers’ Pension Plan Summer 2015 & Summer 2016

Information Technical Analyst | Java, VBA

* Generated significant time savings for team leads by independently designing, programming, and implementing a scheduler application to streamline and automate manual timetable creation processes.
* Significantly reduced incoming printer installation service requests by constructing Java software to provide clients a visual and intuitive interface for printer driver installation and network mapping.
* Streamlined the hiring process and increased productivity for the HR department by creating VBA Excel Macros.
* Reduced redundant troubleshooting of problems and increased productivity in team by producing comprehensive documentation on frequent problems into the knowledge base.

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

Selected Projects and Passions

*Projects*

Fully Modular Keyboard

SPI Keyboard Modules | Arduino

Prototyped magnet connected keyboard modules, using a custom designed PCB and the SPI protocol for module communication.

DIY Electric Skateboard

Raspberry PI Wireless Electric Skateboard | Python

Designed and created an electric skateboard, implemented using a RPi for both speed control and Bluetooth connectivity. Additionally developed an on/off switch PCB for high voltage.

WealthBeing

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

Implemented core functionality, rounding off daily spendings and depositing it into a WealthSimple investment account, additionally responsible for full front-end of web app.

Robocop

License Plate Recognition Software | C++, Swift

Assisted with implementation of text recognition and UI in iOS. Conducted tests and polished product for demonstrations.

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, Ruby

**Tools and Software :**

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

*Interests*

**Hobbies :**

* Mech Keyboard enthusiast and community member
* Built 3D printer and 3D modeler
* Part of a maker community/space
* Top 1% of League of Legend and CSGO players

**Awards :**

* 1st place at Hack the Night Away for ‘Robocop’
* 2nd place at Hack the 6ix for ‘Aura’
* Finalist in WeathSimple workshop for ‘Wealthbeing’
* [Duke of Edinburgh Silver](https://www.dukeofed.org/) award recipient
* Certified National Lifeguard