

Jonathan Wu

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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 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 and 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 significant time savings for team leads by independently designing, programming, and implementing a scheduler application streamline and automate manual timetable creation processes.
- Significantly reduced incoming printer installation service requests by constructing Java software, providing clients a visual and intuitive interface for printer driver installation and network mapping.
- Streamlined the hiring process and increasing productivity for the HR department by creating VBA Excel Macros.
- Reduced redundant troubleshooting and increased productivity in team by producing comprehensive documentation on recorded problems and solutions 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, accomplished with 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 in iPhone app with REST, additionally aided in development of the UI.

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 award recipient
Certified National Lifeguard