

Jonathan



Developer
Designer
Maker

Contact

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Education

**Bachelors of Science,
Honours Computer Science**
Minor, Economics
Wilfrid Laurier University

Notable Classes Taken

BU111 – Introduction to Business
BU121 – Functional Areas of the Org
CP213 – OO Programming
CP317 – Software Engineering
CP363 – Databases
CP372 – Computer Networks
CP469 – iPhone App Programming
CP460 – Applied Cryptography

Languages

Java / C / Python / HTML / CSS / JS /
React / MongoDB / Swift / SQL / Ruby

Tools and Software

Adobe Photoshop & Illustrator / Git /
WSL / Lunacy / Inkscape / VMware

Hobbies

- Web Development & UX/UI
- Mech Keyboard enthusiast and community member
- Built a 3D printer and enjoy 3D modeling
- Member of a maker community
- Top 1% of League of Legend, CS:GO and Hearthstone players

Awards

- 1st place at Hack the Night Away for 'Robocop'
- 2nd place for Aura at Hack the 6ix
- Finalist in WealthSimple bootcamp for 'WealthBeing'
- Duke of Edinburgh Silver award recipient
- Certified National Lifeguard

Experience

Loblaw Company

November 2018 - Current

Supply-Chain Developer | PowerShell, Python, SQL, Dynamics 365, Appian

- Yielded \$1,000,000+ in workplace efficiencies with the standardization and engineering of a single automation-tool.
- Accelerated the deployment of production applications through the development of historical-data massaging and migration programs.
- Improved application usage and end-user quality of life after designing and implementing mobile form-factors for in-house tools.

U-Help Foundation

Summer 2017

Lead Web Design & 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 when building the website from scratch.
- Ensured robustness by conducting unit and functionality testing on all aspects of the UI and experience.

Ontario Teachers' Pension Plan

Summer 2015 & 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.
- Substantially 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.
- Reduced redundant troubleshooting of problems and increased productivity in team by producing comprehensive documentation on frequent problems into the knowledge base.

Projects

Laptop Picker

Laptop Comparison Tool | Mongo, Express, React, Node, Web Scraping

Engineered a laptop review web scrapper using Cheerio.js to feed information to React Front-end. Planning to deploy onto AWS with Docker.

Smart Shelf

Automated IoT Nutrition Tracking | Arduino, Python, OpenCV, HTML, JS

Architected and developed an automated nutrition tracking shelf. Built a working hardware prototype as well as the end-user web application.

Fully Modular Keyboard

SPI Keyboard Modules | Arduino, KiCad

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, EAGLE, CAD

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

WealthBeing

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

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