

NATHANIEL WOODTHORPE

SOFTWARE DEVELOPER, WEB DESIGNER, HARDWARE HOBBYIST

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> Projects

WatWhenWhere

- Worked with a team of 4 building a web-app that allows University of Waterloo students to find common availabilities in packed schedules.
- Designed and implemented the back-end framework including integrated Facebook and Google login.
- Written with HTML/CSS, PHP, JavaScript and MySQL.

HackerPlanner

- Wrote a web-app with a partner that makes the process of discovering, following, and applying for hackathons much easier.
- Designed the UI/UX and implemented the back-end login system.
- Built on the Google App Engine using Flask, a Python web-framework.

WatISpend

- Developed an Android port for WatISpend, a popular iOS financing app among University of Waterloo students.
- Based the front-end design off the iOS app with an Android look-and-feel.
- Accessed a PHP and Firebase backend to load relevant data into the app

Automated Advertising

- Created a desktop application to automate posting advertisements on Kijiji.
- Used to promote personal business.
- Advertised other businesses for a weekly charge.
- Earned \$100/wk in passive income.
- Written in Java.

Android Note Manager

- Created an Android app where users upload and view school notes (text or image).
- Includes functional user login, cloud storage and multi-device support.

Video-game Scripting

- Wrote a significant number of automations that removed the tedious work from video games.
- Monetized my work in the form of public premium scripts and private (special request) premium scripts.

> Awards

Shopify Scholarship - University of Waterloo

Nov 2015

- Awarded to an individual who has demonstrated passion, creativity and leadership in the area of Computer Science.
- One of three winners out of roughly 5000 eligible applicants.

Technical Studies Award - Optimist Club of West Cambridge

Oct 2015

- Awarded to a graduate who showed a passion to study and pursue a future in Computer Science.

> Education

University of Waterloo

Honours Computer Science Co-op
Class of 2020

> Skills

PROFICIENT

Java
HTML / CSS
PHP
JavaScript
MySQL
C# / .NET
Arduino
Android
LaTeX

FAMILIAR

Python
Objective C
Git
AJAX
Node.js
Ajax
Pascal
Photoshop
Flask

> Employment

Freelance

Computer Technician

2010 to 2015

- Operated a successful computer repair business.
- Earned a profit repairing desktops and laptops
- Services included troubleshooting, OS installation, virus removal, replacement of faulty components, and upgrades.
- Discovered creative methods of advertising with almost-zero initial capital.
- Fine-tuned presentation and communication skills.

That Computer Guy

Software Developer

2013

- Worked in a small computer services store programming a Point of Sales System (POS).
- POS included automatic inventory management, transaction processing, and book-keeping.
- Self-taught C# on the job.
- Finished POS by the end of term.