Isaac **Watt**

SOFTWARE DEVELOPER · COMPUTER SCIENCE STUDENT

(613) 803-2652 | isaacwatt@icloud.com | www.isaacwatt.me | IsaacWatt

Skills

- **Languages:** C, C++, JavaScript, PHP, SQL, HTML, CSS, SASS
- **Libraries & Frameworks:** Bootstrap, jQuery
- **Tools:** Git, Bash, LaTeX, ArcMap

Work Experience

Simplistics Web Design 🌐
WEB DEVELOPER

Waterloo, ON

May. 2018 - Sept. 2018

- Assisted in the development and maintainance for sites such as Char, Kandl, KWizCom, and more. Used **WordPress** as an abstraction to the client, and gave tutorials regarding how to use plugins and modify content.
- Designed and implemented an interface for clients to purchase gift cards on Athletes Kitchen, generating over $1000 in revenue the first month it was active.
- Wrote and implemented EO, ETFO, and front end user management **PHP** plugins for ETT. These managed user accounts, executive officers, wards, and schools on the back and frontend.

City of Brockville 🌐
GIS ASSISTANT

Brockville, ON

May. 2017 - August. 2017

- Converted **AutoCAD** drawings to GIS format. This involved data format conversion, geometry verification / correction, and database enhancement.
- Used **ArcMap** and ArcGIS Online as data visualization tools to create maps and web map applications such as St. Lawrence Park, and Outdoor Brockville.

Staples Business Depot 🌐
TECHNOLOGY SALES REPRESENTATIVE

Brockville, ON

April. 2014 - August. 2016

- Explained Staples tech products and services in plain language that was easily understood by the customer. Consistently recieve excellent feedback on my customer service.
- Assisted customers requiring **easytech** services through ticket creation, and connecting devices to remote access.
- Was able to consistently exceed given sales targets and projections.

Projects

Watan 🐙
C++

- Implemented a Waterloo spin off of the popular board game Settlers of Catan using **C++** as part of the CS246 final project.
- Utilized **UML** diagrams prior to development as a tool to map out a solution and choose appropriate design patterns.
- Practiced writing clean object oriented code through the use of encapsulation, inheritance and polymorphism where appropriate.

Checkered Flags 🐙
HTML | CSS | BOOTSTRAP

- Recreated the Checkered Flags website for the Leeds and Grenville Health Unit using **Bootstrap 3.3.7**, HTML, and CSS.
- Enhanced the responsiveness and **AODA** friendliness of the site, while giving it a more modern and user friendly interface.
- Met with the Checkered Flags committee once per week to present my progress, and discuss design choices.

Orb Game 🐙
LUA | GIDEROS | BOX2D

- Created an orb launching game using **Lua** through the mobile development environment, **Gideros**.
- Used the Box2D engine to implement the physics and collision logic.
- Created multiple level templates along with an in-game currency system which rewards players for completing stages. This curreny can be used to purchase skins for their orb.

Education

University of Waterloo 🎓
BACHELOR OF COMPUTER SCIENCE, CO-OP, 3A

Waterloo, ON

Sept. 2016 - April. 2021

- **Relevant Courses:** CS135 (functional programming in **Racket**), CS136 (imperative programming in **C**), CS246 (object oriented programming in **C++**), STAT231 (statistical programming in **R**).
- **President's Scholarship:** Cumulative highschool entering admission average of 95% of higher.