



William Ambrozic

Software Engineer

An upper year coop student residing in Ontario Canada studying Computer Science whilst completing a minor in mathematics. Focussed on making secure, responsive and functional applications.

EDUCATION

Computer Science (Co-op)

University of Guelph, Guelph, ON

- Mathematics Minor
- Entrance scholarship, 90+ average

TECHNICAL SKILLS

LANGUAGES / FRAMEWORKS

- Python, JavaScript, TypeScript, Angular, MongoDB, Node, C, Java, SQL, C++, C#

OPERATING SYSTEMS

- Debian Linux, Windows

DEVELOPMENT TOOLS

- Git, Atom, Unity

DESIGN TOOLS

- Adobe Photoshop, Illustrator, Premiere, GIMP

DEVELOPMENT SKILLS

Simplicity

- Features as simple as possible

Utilitarian Design

- No reinventing the wheel

Adaptability

- Drive to learn the next language, framework, or mindset

Realistic

- Focussing on the must-have features

CONTACT INFO

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<https://williamambrozic.info>

<https://github.com/williamambrozic>

Work Experience

MAGNA INTERNATIONAL INC.

May 2020 - December 2020

QUALITY ENGINEER, GUELPH, ON

- Independently developed and fully designed a responsive quality database using the MEAN stack (MongoDB, Express, Angular, Node)
- Enabled email notifications, Excel exporting, PDF exporting, file uploading, and data charting
- Helped roll out the auditing software ease.io

Personal Projects

NEAT Nueral Network Implementation for Space Shooter by Tasdik Rahman Oct, 2018

- Programmed in Python using Pygame and Object-Oriented-Programming (OOP)
- Implemented mathematical models for the NEAT algorithm
- Tinkered with a preexisting OOP program to meet NEAT needs

Modular Arithmetic Visualizer

July - August, 2018

- Made in Python using Tkinter with Turtle Graphics
- Successfully visualizes Modular Arithmetic at different factors and differing degrees of nodes

Ouroboros - Android Game

March - May, 2017

- Utilized Java and Android Studio
- Fully designed in Adobe Photoshop, and Illustrator
- Music made using FI Studio

Acedemic Projects

SVG File Database

2020

- Independently created a database of SVG images using a combination of Ajax, HTML, JavaScript, and C. The database can be run on any modern web browser and allows for the addition, and manipulation of SVG elements (circle, rect, path, etc.)

Contact List on Disk

2019

- Worked independently to create a dynamic contact list written on disk using binary files in C. The user could edit, remove, or add to the list of contacts saving all required information directly to the disk

Motorola 68K Clock

2019

- Independently worked to produce a working clock written in assembly for the Motorola 68K microprocessor. The clock could be set, reset and in general held all requirements of a standard alarm clock