

# Alexander Eckardt

## WORK EXPERIENCE

JUNIOR SOFTWARE ENGINEER | JAROWA AG, Zug, Switzerland

June 2022 - September 2022

- Designed and implemented a microservice to anonymize sensitive third-party customer data for machine learning applications.
- Preprocessed data using Excel and Python's Pandas Data Analysis library.
- Researched and recommended appropriate anonymization strategies for various data sources.
- Expanded Knowledge of C#.NET Development, SQL, Mongo DB, Swagger APIs, and Microsoft Azure.

CO-OP SOFTWARE DEVELOPER | JAROWA AG, Zug, Switzerland

April 2021 - June 2021

- Developed a Microsoft Teams Chatbot from scratch to automate Server Reservation and Management using Microsoft Bot Framework
- Gained experience in SQL Database programming and learned to create Swagger APIs.

## PROJECTS

SOULFLAME - GAME DEVELOPMENT 

GML, Python, Aseprite

June 2019 - July 2022 (On Pause)

A handcrafted action adventure game with metroidvania and platforming elements.

- Designed, built and tested all game systems entirely from scratch.
- Created Social Media, as well as worked with Alpha Testers, to promote and collect feedback

GO TRANSIT VISUALIZER 

Processing, Java, Python, Big Data

October 2022

An interactive map that displays all GO Transit Bus and Train routes.

- Created a visually pleasing interface and camera system
- Parsed Real World Data using Python to create usable JSON Files

PIXEL ART TILE SET COMPLETER 

Python, Aseprite

October 2022

A simple script to automate the extension of platformer tiles.

- Automated the "rough draft" creation of corner and ramp tiles to speed up tile set creation

## EDUCATION

B.SC. COMPUTER SCIENCE CO-OP (2025) | McMaster University, Hamilton ON

2021-present

- Courses include Software Design, Data Structures and Algorithms, Computer Architecture.

GOOGLE I.T. AUTOMATION WITH PYTHON | Coursera

November 2020 - April 2021

- 6 Courses that include Configuration Management and Automating Real World Tasks

## SKILLS

- **Languages:** C#, Python, Java, C, GML, Haskell, Elm, SQL
- **Web Development / Graphic Design:** Aseprite, Paint.NET, Astro, HTML/CSS, Photoshop, Gimp
- **Technology:** Git, Azure, Excel, Pandas, AzureSQL, MongoDB, Unity, GML,  $\LaTeX$
- **Languages:** English, German

References available on request.