

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

IOS SPEEDRUN TIMER APPLICATION [↗](#)

Xcode, SwiftUI

January 2023

A timing app to compare the completion of various tasks.

- Created an intuitive UI to fit on many types of iOS devices

EDUCATION

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

2021-present

- Courses include Software Development, Data Structures and Algorithms.
- 11.6 / 12 GPA

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.