

# Alexander Eckardt

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## WORK EXPERIENCE

**JUNIOR SOFTWARE ENGINEER** | JAROWA AG, Zug, Switzerland

**June 2022 - September 2022**

- Designed and implemented a micro service to anonymize sensitive third-party customer data for machine learning applications.
- Pre-processed 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, MongoDB, Swagger APIs, and Microsoft Azure.

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

**April 2021 - June 2021**

- Developed a Microsoft Teams Chat-bot 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** 

**JavaScript, 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 SPEED-RUN 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, Photoshop, Paint.NET, Astro, JavaScript, HTML/CSS
- **Technology:** Git, Azure, Excel, Pandas, AzureSQL, MongoDB, Unity, GML,  $\LaTeX$
- **Languages:** English, German

References available on request.