

# MICHAEL FRYER

Software Engineer & Data Scientist | Master's Candidate

✉ Residence Permit in Germany  
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## EDUCATION

M.Sc. in Applied Data Science

**Frankfurt School of Finance & Management**

📅 September 2025–Present  
📍 Frankfurt am Main, Germany

B.Sc. in Software Engineering and B.Sc. Computer Science

**Montana Tech**

📅 August 2015–May 2019  
📍 Butte, MT, USA

## EXPERIENCE

Machine Learning Teaching Assistant

**Frankfurt School**

- Enhanced course lectures by providing additional exercises to help students understand complex machine learning concepts.
- Provided personalized support to students by answering questions and offering guidance on exercises.

📅 January 2026–Current

📍 Frankfurt am Main, Germany

Associate Game Programmer

**Heavy Iron Studios**

- Worked closely with artists to transform their UI mock-ups into a functional user experience.
- Extended Unreal Engine's replication graph to meet our network performance requirements.
- Created Unreal Engine patches that included necessary features for a full-game launch.
- Implemented the Live Operations portal using Django to satisfy the business requirement of a live-service game.

📅 October 2019–July 2021

📍 Manhattan Beach, CA, USA

Software Engineer

**Butte Food Bank**

- Created inventory and reporting software for the Butte Food Bank titled FRED.
- Developed the front-end application of FRED using WPF Forms.

📅 Fall 2018–August 2019

📍 Butte, MT, USA

## PROJECTS

Arcadia Website | [NextJS](#), [Vercel](#), [Neon](#)

A NextJS application that leverages Google's YouTube api to aggregate video uploads from members of Arcadia and post to social media.

Urban Mobility Risk Analysis | [Python](#), [Pandas](#), [Contextily](#), [DBScan](#)

An analysis on traffic accidents in Frankfurt am Main, Germany. This project uses clustering to identify high-risk areas in the city and visualizes the results using Contextily.

## STRENGTHS

Python TypeScript C/C++ HTML/CSS NextJS Git  
VS Code Visual Studio Pandas NumPy Matplotlib

Communication Organization Problem Solving  
Attention to Detail Motivation & Leadership

## LANGUAGES

English – Native

German – Taking Courses – A2



## MOST PROUD OF



Pac-Man: Mega Tunnel Battle

Shipped my first major software release of my career with my team.



Arcadia Website

Created arcadia.yt as a hobby project for my community.



Outstanding Achievement

Awarded by the department of computer science at Montana Tech.