







# 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

January 2026—Current  
Frankfurt am Main, Germany

- 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.

**Associate Game Programmer**  
Heavy Iron Studios

October 2019—July 2021  
Manhattan Beach, CA, USA

- 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.

**Software Engineer**  
Butte Food Bank

Fall 2018—August 2019  
Butte, MT, USA

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

## 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 re-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.