ADAM KAIZRA

a.kaizra@outlook.com | kaizra.dev | linkedin.com/in/akaizra

Driven fourth-year MSci Computer Science student currently studying robotics, machine learning and simulations. Working as part of a team on a capstone project delivering software solutions to a business client. Seeking a job to apply and develop my skills in the technology sector.

SKILLS

- Python, C, SQL, NoSQL, JavaScript, HTML, CSS, Java, GDScript
- Data Analysis, Robotics, Network Science, Simulations, Fullstack
- Git, Bash, Linux, React, REST, Agile, CI/CD, Testing

PROJECTS

International Trade and Alliance Networks Analysis

- Researched IR and network science methods
- Created datasets by using Python's Requests library to source data from APIs
- Performed exploratory data analysis using Pandas and Matplotlib
- Generated graphs with Networkx and visualised them in Gephi

Material Advection Simulator

- Parallelised C program using OpenMP
- Simulates the advection of material from a chimney in the atmosphere

SC Microservice Spreadsheet MVP

- Python spreadsheet microservice that communicates with RESTful API
- Two alternative services for either on premise SQLite database or cloud No-SQL database
- Follows microservice architecture where either data storage service is interchangeable

Anomaly Detection on a Continuous Datastream

- Simulation of gas flow from the Easington Langeled pipeline entry point in Python
- Detecting injected anomalies using Isolation Forest machine learning algorithm
- Visualisation of the live datastream and anomaly detection using Matplotlib

Tetris Clone Website

- LAMP stack with a MySQL login / registration system
- Clone of Tetris game made entirely using JavaScript
- Leaderboard page connecting the user login and game scores databases

EDUCATION

MSci Computer Science   *July 2025*

- University of Exeter

EXPERIENCE

Seminar Lead – Excode   *Oct – Dec 2023 & Oct – Dec 2024*

- Led a workshop of 25 students to teach them the fundamentals of programming and the Python language
- Improved my public speaking, teaching and presenting skills

Sales Assistant – Pandora   *Sep 2022 – Present*

- Provided personalised one to one sales service with customers
- Maintained performance in a fast paced, high-pressure environment during peak Q4 sales periods