

Ross Edwards

+44 7484 235994 · ross@edwardsnetwork.com

Portfolio: <https://rzedward.github.io/>

TECHNICAL SKILLS

- **Domains:** Machine Learning, Data Engineering, Data Science, Data Analysis
 - **Programming Languages:** Python, C++, R
 - **Libraries/Frameworks:** TensorFlow, PyTorch, Sci-Kit Learn, Pandas, Numpy, Matplotlib, ggplot2, Boost
 - **Databases:** PostgreSQL
 - **Data Visualisation:** Tableau, PowerBI
 - **Microsoft Office:** Excel, Word, PowerPoint
 - **Extras:** Linux, Shell-Scripting
-

EXPERIENCE

Automation Engineer - FLIMAX Ltd (Cambridge/Remote) **Oct 2023 - Jan 2024**

- Responsible for optimising the investment outreach process by developing scripts to automate investor database filtering and communication pipelines

Data Analyst - Aln Valley Cottages (Northumberland) **Jul 2023 - Oct 2023**

- Responsible for overseeing and managing customer and business data
- Produced and maintained dashboards in Tableau to provide insight on seasonal booking patterns, customer demographic breakdowns, financial performance, competitor analysis, and more

Research Lab Assistant - University of Cambridge Department of Histopathology (Cambridge) **Aug 2018**

- Collaborated closely with an elected fellow of the Royal Society in conducting oncological research
-

PROJECTS

Image Recognition Algorithm - Convolutional Neural Network for Gen-1 Pokémon Classification

- Loaded a dataset of 7000 images, applied uniform resizing, implemented augmentation, and transformed them into RGB pixel value matrices paired with one-hot encoded classification labels
- Constructed a convolutional neural network using TensorFlow, fit the model to the dataset, and returned a testing accuracy of >95% on unseen data

Agent-Based Model: The Collective Physics of Motile Cells in Complex Environments

- Built in C++, this computer-simulated agent-based model was developed to replicate the tissue environment observed upon wound-healing, tumour invasion, and early embryogenesis
- Key focus: specific dynamics of tissue fingering upon migration or disassembly

An Insight into London's Boroughs: Rental Market and Lifestyle

- Tableau dashboard displaying key stats that one might consider before moving to London
 - Rental data scraped from SpareRoom
-

EDUCATION

University of Durham **Sep 2019 - Nov 2023**

- Master in Science in Biology and Physics within the Natural Sciences programme
 - Grade: 2:1 (with honours)
 - Completed all qualifications a year earlier than expected having been advanced through a year of school after demonstrating academic excellence
 - Notable Involvements: Data Science Society, DU Solar Car Logistics Team
-