

Edward Miles

Full-Stack Software and Web Developer

I am a full-stack developer looking for a full-time position. I am proficient with Python, JavaScript, HTML and CSS. I particularly enjoy machine learning, computer vision, and natural language programming projects - but so long as I am writing code and improving my skills, I am happy.

Mobile:

07365 209 072

Email:

edmilestech@gmail.com

Portfolio:

<https://edmiles.tech>

Github:

github.com/ed100miles

KEY SKILLS

- Python, JavaScript, Node.js, Electron, React, HTML, CSS, SCSS/SASS, Jinja, Bash/Linux, SQL, SQLAlchemy, Pandas, Numpy, Matplotlib, Scikit-learn, NLTK, OpenCV, Git/Github, Docker.
- Writing clean, robust, adaptable and reusable code through the utilisation of object-oriented design principles.
- Knowledge of common software design patterns and application of design principles such as DRY and SOLID.
- Producing efficient programs through the selection and implementation of suitable data structures and algorithms to reduce computational complexity.
- Understanding of the importance of thoroughly testing code - experienced writing automated unit and integration test and with the test driven development (TDD) methodology.
- A comprehensive list of skills and further projects are available on my website.

PROJECTS

Portfolio Website — *Website showcasing technical skills and projects*

Demonstrates my ability to create and cloud host a professional, fully responsive website with a Python/Flask back-end served with Nginx and Gunicorn. The site also integrates a selection of other projects that shows my ability to create RESTful API's and use modern JavaScript techniques such as the FetchAPI to communicate asynchronously with the API. My portfolio can be found at: <https://edmiles.tech>

Underwriter AI — *Machine learning program to predict the risk of an insurance customer*

Exhibits my capabilities wrangling and manipulating quantitative and qualitative data using the Numpy and Pandas Python modules. And my capacity to train an accurate ML classification model, by utilising the Scikit-learn library to perform tasks such as; creating custom data transformer classes to act as components of a data pipeline; implementing and comparing different sampling algorithms; and using grid-search and cross-validation to determine optimal hyperparameters.

WORK EXPERIENCE

Ed Miles Tech, London — *Freelance Software Developer*

Recently completed a project developing a GUI desktop application using Electron, which spawned child processes with the python-shell Node.js package to run scripts to classify the client business' users mission statements using NLP techniques.

Financial Ombudsman Service, Canary Wharf — *Investigator*

Worked as part of a team to resolve consumer complaints about financial institutions in line with Financial Conduct Authority guidelines. Highly technical work which required high attention to detail, negotiation skills, and the ability to communicate complex ideas clearly.

EDUCATION

University of Stirling — *BA(Hons) Degree, Philosophy 2.1*

Intellectually challenging degree requiring a high level of reasoning, problem solving and comprehension skills, as well as clear presentation of ideas. With additional modules in Logic (1st), Data Skills (1st) and Statistics (1st).