DANIEL NUTTER

DANNUTTER.GITHUB.IO | DAN.NUTTER@OUTLOOK.COM | +44 7548 327122

Leveraging my experience gained during my university studies and side projects, I aim to contribute to the development of impactful software solutions. I hope to expand my knowledge and skills, allowing me to address real-world challenges with a focus on long-term, meaningful impact.

SKILLS:

TOOLS:

Version Control: Git

Linux: Software configuration, system administration

CI/CD: GitHub CI, Jenkins

Life Cycles: Jira

Other: Conda, DL_POLY Classic, Azure Quantum, .NET

LANGUAGES:

Python

Fortran

C#/C++

Pascal

JavaScript

Other: MATLAB, SQL, HTML, CSS

EXPERIENCE

SOFTWARE DEVELOPER WORK EXPERIENCE | ICSKILLS   2018 APRIL-MAY

- Participated in team discussions and planning sessions to ensure alignment with project goals.
- Applied Agile principles to optimize project workflows, resulting in increased productivity and faster project delivery.

FREELANCE   2023-PRESENT

- Freelance as a data analyst to help clean and refine client's data for improved insights.
- Collaborated with clients to understand their data needs and provided tailored solutions.
- Effectively managed time and workload to meet project deadlines without direct supervision.

(Recent work experience in unrelated fields is available upon request.)

EDUCATION

BSC COMPUTER SCIENCE | COVENTRY UNIVERSITY   JAN 2024

2:1 (66%)

KEY MODULES:

Machine Learning and Related Applications, Big Data Programming, Advanced Algorithms, Data Science, Software Engineering, Security, Web API Development.

PROJECTS

FINAL YEAR PROJECT:

- Used machine learning to generate accurate and relevant of clip recommendations from a live streamer's past broadcast.
- Utilised DeepFace and CV2 for facial emotion recognition/computer vision, VaderSentiment for sentiment analysis and Google's speech to text API for transcripts.
- Created a dataset of scraped Twitch.tv clips for training and validating the predictive model.
- Employed Seaborn to generate clear and informative graphs, aiding in the interpretation of findings.

EM WAVE PROPAGATION:

- Developed a simplified simulation for electromagnetic wave propagation using vanilla Fortran.
- Applied fundamental principles of electromagnetics to simulate and visualize wave interactions.
- Explored the impact of materials on the intensity of electromagnetic waves.

MEAL PLANNING MOBILE APP:

- Developed a Meal Planning mobile app using .NET MAUI, emphasizing user recipe management, meal plan generation, and cost tracking.
- Optimised local data efficiency with SQLite, enhancing application responsiveness.
- Prioritized key objectives: Security, Scalability, User-Friendly design, and Cost-Effectiveness.

INTERESTS

CHESS

Alongside playing casually, I actively volunteer at a local primary school to provide support to students to help develop their strategic thinking and problem-solving skills through this medium.

VARSITY ESPORTS

I made meaningful contributions to my university's Overwatch esports team, actively engaging in regular team meetings to analyse past gameplay with fellow teammates. This experience allowed me to refine my teamwork and critical decision-making skills while facilitating a culture of constructive improvement within the team.