

ADAM MORRIS

Graduate - Engineering Mathematics (MEng)

Fernleigh, School Road, Jersey
Marine
Neath, SA10 6JE
07402 104838
adam@junction42.com

PERSONAL STATEMENT

Recent engineering graduate with a master's degree in Engineering Mathematics, combining mathematical theory, practical engineering and scientific computing skills to solve real-world problems. Seeking an opportunity to apply expertise and make a meaningful impact in the field. Passionate about embracing emerging technologies, such as Artificial Intelligence systems, and collaborating in dynamic environments. Strong work ethic, detail-oriented, and committed to delivering high-quality results. Eager to contribute to innovative projects and further develop as a professional engineer.

EXPERIENCE

SportsViz, Swansea — *Research Engineer*

June 2023 - September 2023

Research engineering role investigating the impact of novel data interpretation and artificial intelligence in elite sports performance analysis with the Football association of Wales (FAW)

EDUCATION

University of Bristol, Bristol — *Masters of Engineering Mathematics (MEng)*

September 2020 - July 2024

First Year - Engineering mathematics I, discrete mathematics I, engineering physics I, engineering science I - thermofluids, introduction and further computer programming, mathematics and data modelling I

Second Year - Engineering mathematics II, discrete mathematics II, engineering physics II, applied linear algebra, introduction to data science, numerical methods in MATLAB, signals and systems, C for embedded systems, principles of professional practice, mathematics and data modelling II

Third Year - Continuum mathematics, introduction to artificial intelligence, nonlinear dynamics and chaos, optimisation theory and applications, applied statistics, control theory, scientific computing, mathematics and data modelling III

Fourth Year - Technical project, learning, computation and the brain, advanced nonlinear dynamics and chaos, mathematical modelling in physiology and medicine, transport and mobility modelling, bio-inspired

SKILLS

Highly experienced team worker.

Advanced-level problem solving skills.

Excellent mathematical, physics, and scientific computing skills.

Proficient in Python, MATLAB, Git and LATEX.

Experience using C, HTML, CSS and SQL.

LANGUAGES

English

Welsh

ADDITIONAL SOCIALS

LinkedIn: Adam Morris

GitHub: ks20447

University email:
ks20447@bristol.ac.uk

artificial intelligence, robotics systems, uncertainty modelling for intelligent systems

Ysgol Gymraeg Ystalyfera Bro Dur, Ystalyfera — A-Levels

MONTH 20XX - MONTH 20XX

Mathematics - A*

Further Mathematics - A

Physics - A

Computer Science - A

Welsh Baccalaureate - A

PROJECTS

Technical Project Name — *Masters Technical Project*

Description.

Scientific Computing Project — *ODE and PDE simulation and investigation*

Description

Aircraft Detection in Satellite Imagery — *Artificial intelligence group project*

Description

Car Finance Simulations — *Group project for Sopra Banking*

Description.

Bed Occupancy Forecasting — *Group project for the NHS*

Description.

COVID-19 Simulations — *Group project on the modelling of viruses*

Description.