

# Patrick Devine

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## PERSONAL STATEMENT

A proactive, reliable hard worker with excellent communication, organisation and time management skills. Ability to collaborate with others at all levels, and a confident presenter. Professional experience in Data Analysis, provided knowledge in optimisation of business operations, and creation of Power BI reports across multiple departments. Seeking to apply my analytical skills to infrastructure resilience, asset lifecycle optimisation, or environmental systems.

## SKILLS AND ACHIEVEMENTS

**Technical:** Python, DAX, PowerBI, SQL, Git, Microsoft Excel

- Packages: Scikit-learn, PyTorch, Numpy, Pandas

**Projects:**

- Multi-Armed Bandit Algorithm: Implemented an epsilon-greedy multi-armed bandit algorithm using Numpy to optimise reward-based decision making.
- ResNet50 Image Classifier: Developed and fine-tuned ResNet50 CNN using PyTorch, achieving 92.6% accuracy.
- Student Success Prediction: Achieved 81% classification accuracy in modelling student's academic success using SVM.
- NBA MVP Predictor: Successfully modelled the top 3 contenders and winner of the 2024 NBA MVP award using ExtraTrees.
- Excel Fundamentals for Data Analysis: <https://coursera.org/share/aff6d916acbb8b09fc2f539dfbd3cd70>.

## PROFESSIONAL EXPERIENCE

**Unique Group**

Aberdeen, UK

*Operational Data Analyst Intern*

June 2024 – August 2024

- Identified patterns, trends and anomalies in data with good accuracy
- Collaborated with internal departments, automating 5+ reports to optimise business functions
- Effectively communicated and presented findings in reports to different levels of technical understanding

**J M Taylor**

Aberdeen, UK

*Accounts Assistant*

May 2023 – January 2024

- Engaged in accounts production and management, ensuring accurate financial reporting and compliance
- Conducted auditing processes to verify the integrity of financial data and adherence to regulatory standards
- Operated IRIS accounting software and created journals via Excel

**University of Florida**

Gainesville FL, USA

*Accounts Specialist*

July 2022 – October 2022

- Managed password resets, DUO Mobile issues and Wi-Fi connection support for students via telephone consultation
- Administered security checks ensuring strict following of university guidelines and state laws
- General IT account management, ticket creation and logging procedures for traceability and transparency

## VOLUNTARY EXPERIENCE

**Crea8ing Community**

Birkenhead, UK

*Volunteer*

June 2021 – August 2021

- Data handling and entry into Views CRM database via Microsoft Excel and use of QuickFile accounting system

## EDUCATION

**University of Liverpool**

Liverpool, UK

*MSc Data Science and Artificial Intelligence*

September 2024 – Present

Project: Stock Price Prediction Model

**University of Aberdeen**

Aberdeen, UK

*BSc Mathematics*

September 2020 – June 2024

**University of Florida (Study Abroad)**

Gainesville FL, USA

*Non-Degree (Mathematics Focus)*

Spring, Summer & Winter semesters, January 2022 – December 2022