

# PATRICK FITZSIMONS

07789-529-650 ♦ **Bromley, London** — Finance and IT Enthusiast

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## OBJECTIVE

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A highly motivated Data Science and Computing student with strong skills in Python, Java, and SQL, seeking an entry-level role in software development or IT within the financial sector. Passionate about leveraging technical expertise and problem-solving abilities to develop innovative and efficient solutions.

## EDUCATION

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**BSc Data Science and Computing**, Birkbeck, University of London.

Expected 2026

**Relevant Coursework:** Software and Programming, Data Structures and Algorithms, Systems Analysis and Design, Database Technology, Mathematics for Computing, Computer Networking.

**Certifications:** Introduction to Neural networks and PyTorch - IBM, Generative AI & LLMs : Architecture & Data Preparation - IBM, Databases & SQL for Data Science.

## SKILLS

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**Machine Learning & AI:** PyTorch, scikit-learn, NumPy, Pandas, Matplotlib.

**Software Development:** Flask, Bootstrap, MongoDB, UML, HTML, CSS, Tailwind.

**Language & Tools:** Python, Java, SQL, Git, GitHub, Heroku, IntelliJ IDEA, VS Code, MS Office.

**Data Analysis/Visualisation:** Matplotlib, SciPy.

## EXPERIENCE

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**Bar Supervisor**

March 2023 - Present

The Surprise

*Chelsea, London*

- Managed a team during busy shifts, ensuring efficient operations and exceptional customer service.
- Developed strong leadership, teamwork, and time management skills in a fast-paced environment.

**Various Sales & Recruitment Roles**

January 2016 - 2023

BWC, WestworkGroup, Nigel Frank International, Vinverum

*London*

- Specialized in recruiting AWS professionals for DevOps, Enterprise Architect, and VP roles, gaining insights into cloud computing and IT systems.
- Developed and maintained client relationships, successfully negotiating new contracts and building company revenue.
- Introduced new clients to niche markets such as fine wine investments, demonstrating expertise in business development and client management.
- Consistently exceeded sales targets by identifying client needs and providing tailored solutions.

## PROJECTS

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**Web Scraper Automation Tools.** Built Python-based scrapers using BeautifulSoup and Selenium to extract data from e-commerce platforms. Automated multi-layered web navigation to gather product pricing. Saved over 100+ hours of manual effort and improved data reliability for analysis.

**League of Legends Match Predictor.** Developed a machine learning model using PyTorch and scikit-learn to predict match outcomes based on in-game statistics. Applied data preprocessing, feature scaling, and model evaluation techniques to optimise accuracy. Integrated classification metrics such as ROC curves and confusion matrices for performance analysis.

**Interactive AI chat tool.** Developed a Python-based chat app with a Flask backend integrated with OpenAI GPT-4 for conversational AI. Built a responsive frontend using HTML, JavaScript, and Bootstrap. Deployed on Heroku, enabling real-time, context-aware interactions. Showcased skills in API integration, web development, and cloud deployment.