Alfie Ziccardi

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EDUCATION

University of Lincoln, School of Engineering
Bachelor of Science with Honours in Computer Science: 1st Class (71%)
Modules Studied: Big Data, Algorithms, Cloud Computing, Software Engineering, Maths for Computing, Machine Learning, Cyber Security, Networking, AI, Databases

Technical Skills

Programming Languages: Python, C++, React, Javascript, SQL, HTML, CSS
Frameworks & Tools: React.js, Google Cloud Platform, Amazon AWS, Git, Twillio, Xcode
Risk & Audit Skills: Internal controls, compliance monitoring, risk assessment, stakeholder reporting, governance frameworks, cybersecurity audits.

Work Experience

Lincoln Employer Award: Jan - April 2024
- Led initial meetings with Pragmatics 3D to assess AI integration opportunities in project management.
- Conducted three months of research on AI applications and presented a comprehensive implementation plan.
- Delivered a business report outlining actionable AI strategies, optimising workflows and increasing efficiency potential.
- Delivered an AI integration strategy for Pragmatics 3D, assessing operational risks and recommending control measures projected to reduce delivery times by 10–15%

Ceva Logistics: Warehouse Operative (June - September 2024)
- Performed fulfilment tasks including picking, packing, and value-added services, consistently exceeding productivity targets.
- Leveraged handheld terminals and printing technology to enhance operational efficiency and streamline processes.
- Trained individuals to increase overall team efficiency, and increase number of deliverables

McDonalds: Crew Member (September 2020 - December 2023)
- Delivered excellent customer service by consistently meeting quality expectations and providing friendly, accurate assistance.
- Supported team efficiency by collaborating with colleagues to complete tasks and ensure smooth operations.

Projects

Dissertation: AI-Driven Stock Market Sentiment Predictor (72%)
- Developed an AI-driven sentiment analysis model integrating financial data with NLP outputs, ensuring data accuracy and integrity for reliable predictive insights.
- Built a Python model to predict Apple Inc. (AAPL) stock price movements using sentiment analysis from Reddit and financial news sources.
- Combined FinBERT NLP sentiment scores with historical stock data using Random Forest and Gradient Boosting models.
- Model increased capital by 21% over 3 months.

Personal Portfolio Website
- Built a responsive React and TypeScript website to showcase skills and projects(alfieziccardi.co.uk).
- Features custom components, routing, mobile responsiveness, and modern UI design.

Qualifications

- Lincoln Employer Award
- Microsoft Certified: Azure AI Fundamentals
- Microsoft Certified: Azure Fundamentals
- Microsoft Certified: Azure Data Fundamentals
- Connect and Protect: Networks and Network Security - Google
- Play it safe: Manage security risks - Google
- Foundations of Cybersecurity - Google