

Alan Kowalczyk | MSc, MBCS

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🌐 alankowalczyk.github.io/Portfolio/ • in kowalczyk-alan
🔗 AlanKowalczyk

About Me

A motivated researcher specializing in Artificial Intelligence, Machine Learning, and Financial Technology with strong programming expertise and a passion for algorithmic trading.

Education

UCSI University <i>PhD in Computer Science</i>	Kuala Lumpur, Malaysia EXPECTED 05.2025 – 2028
Caltech CTME <i>Postgraduate Program in Artificial Intelligence & Machine Learning</i>	Online 08.2024 – Present
Abertay University <i>MSc in Computer Science with Artificial Intelligence (Distinction, CGPA 3.88)</i>	Dundee, UK 10.2023 – 11.2024
Adam Mickiewicz University <i>Master's Degree in Astronomy</i>	Poznań, Poland 10.2005 – 06.2011
University of La Laguna <i>Erasmus Exchange Program (Astrophysics)</i>	La Laguna, Spain 09.2009 – 01.2010
XXI Secondary School <i>Secondary Education (Math, Informatics, Physics)</i>	Poznań, Poland 09.2000 – 06.2004

Certifications

Harvardx <i>Machine Learning and AI with Python</i>	Online 02.2025 – Present
HKUx <i>FinTech Ethics and Risks</i>	Online 01.2025 – 03.2025
HKUx <i>Introduction to FinTech</i>	Online 11.2024 – 12.2024
HarvardX <i>Introduction to Data Science with Python</i>	Online 10.2024 – 11.2024
StanfordOnline <i>Databases: Relational Databases and SQL</i>	Online 10.2024
MITx <i>Introduction to Computational Thinking and Data Science</i>	Online 10.2023 – 12.2023
MITx <i>Introduction to Computer Science and Programming using Python</i>	Online 05.2023 – 08.2023

Professional Memberships

Member of the British Computer Society (MBCS)

Experience

European Centre of Damages EuCo

Representative, Compensation sector

Poland

06.2012 – 04.2013

OVb Allfinanz

Branch Manager, Financial advisory sector

Poznań, Poland

04.2012 – 04.2013

Provident Polska

Representative, Financial services sector

Poland

01.2012 – 04.2013

OVb Allfinanz

Representative, Financial advisory sector

Poznań, Poland

09.2011 – 03.2012

Languages

Polish: Native

English: C1

Competences

Programming: C, Python, JavaScript

Financial Machine Learning, Algorithmic Trading, NLP for Finance, Financial Data Processing

Libraries: NumPy, Pandas, SciPy, Scikit-learn, Matplotlib, PyTorch, TensorFlow

HTML5, CSS, JavaScript, PHP, MySQL, PL/SQL

Operating Systems: Windows, Linux (Debian/Ubuntu)

Software: OpenOffice, LaTeX, GIMP

Soft Skills: Adaptability, Analytical Thinking

Interests

Artificial Intelligence, Machine Learning, Financial Technology, Algorithmic Trading

Astrophysics, Astro-Photography, Programming, Photography

Running: Completed marathons on all 7 continents and finished a 100km ultramarathon on first continent