Andrew Park

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EDUCATION

The University of Chicago — **Chicago, IL**
Master of Science in Financial Mathematics — **Expected December 2025**
- Courses: Portfolio Theory & Risk Management, Python, Option Pricing, Probability & Stochastic Processes

Imperial College London — **London, UK**
BEng and MEng of Electrical and Electronic Engineering (GPA: 3.7/4.0) — **August 2022**
- Courses: Probability, Multi-variable Calculus, Machine Learning for Finance, Machine/ Deep Learning Advanced Signal Processing, Optimisation, Algorithms and Complexity, Corporate Finance, Economics
- Final dissertation: "Identification of Skin Cancer from Images through Computer Vision"

SKILLS

Computing: Python, Jupyter, Tensorflow, Keras, VBA, MATLAB, MS Office
Knowledge: Financial Markets, Machine Learning, Deep Learning, Data Analytics, Econometrics
Financial: CFA Level 1
Trading Products: Futures, Commodities, Fixed Income, Equities, Options

EXPERIENCE

Barclays — **London, UK**
Technology Analyst — **August 2022 - June 2024**
- Served circa 650k customers as lead business analyst on corporate mobile app
- Oversaw 1300 live controls as a control analyst for retail bank
- Forecasted and budgeting control team's finances of 1.8-million-pound budget
- Automated excel worksheets with VBA to save team around two hours of weekly governance work
- Wrote business requirements communicated from business team based on client demands
- Liaised with development team to ensure proposed technical solution matched with business needs
- Reviewed SQL code for quality assurance to ensure code logic properly reflected business requirements

Saltlux — **Seoul, South Korea**
Risk Management Intern — **July 2022 - September 2022**
- Developed deep learning models for two different projects: Facial and Emotion Detection in East Asian Complexions and Object Detection achieving approximately 85% accuracy
- implemented various standard machine learning model architectures such as ResNet50 and YOLO to train and test datasets
- Sorted, cleaned, and organized 100GB worth of data to perform exploratory data analysis utilizing Python Pandas dataframes
- Visualized key conclusion and details from data such as distribution, outliers, and errors with Matplotlib and Plotly
- Presented a short seminar on a deep learning model (ArcFace) to a specialized and non-specialized team

Samsung Research America — **Mountain View, CA**
Communications Research Intern (Remote) — **June 2020 - August 2020**
- Researched next generation non-terrestrial network communications
- Listed co-inventor of two international A1 patents in wireless communications based on personal contributions made during internship
- Analyzed multi-page technical reports and papers to investigate key differences in satellite technologies
- Wrote and debugged MATLAB scripts and presenting information coherently to team

EXTRACURRICULAR

Imperial College London
Captain, Football Club - Korean Society London, UK
August 2022 - May 2022

ADDITIONAL INFORMATION

Languages: Korean (fluent)
Interests: Football, poker, weightlifting