

## PROFESSIONAL EXPERIENCE

UBS – London, UK | Software Engineer

November 2023 – Present

Sales Platform, Structured Products – Investment Bank

- Part of team which designed a new product service for primary trade booking flow, now implementing and integrating, in **Kotlin** and **Spring**.
- Maintained a trade capture system for securitised products across all asset classes by learning the booking flow without documentation.
- Led migration of the platform to a new product store. Automated testing across 30,000+ products using a self-written **Python** component.
- Took ownership of 10+ successful releases across 3 apps, including changes to the reg. reporting functionality of two business-critical apps.
- Collaborated with sales and execution traders to solve several production incidents, tested and deployed successful emergency fixes.

Credit Suisse – London, UK | Technology Analyst – Software Engineer

August 2022 – October 2023

Counterparty Risk Scenarios Programme, Market Risk Stress Testing

- Joined risk data remediation programme after Archegos incident, to remediate and provide granular views of risk metrics & counterparties.
- Led feasibility analysis with BAs, by analysing 20M+ rows of non-uniform trade data, consolidated from 8 front-office systems, using **Python** and **Excel**. Provided views of counterparty availability to the business, spearheading the decision to move the programme into action.
- Designed and released a key component in **Python**, automatically joining credit & market risk data, aggregating counterparties for use by all risk teams. Remediated 74% of missing counterparties in risk globally and created a view containing both full- and partial-reval data.
- Became team's spokesperson and built relationships with front-office risk teams. Convinced 6/8 teams to adopt our new data standards.

Imagination Technologies – London, UK | Competitor Performance Analyst (AI) | Ind. Placement

March – October 2021

- Built a novel AI framework using **TensorFlow** and **PyTorch** and designed test models for use on competitor Neural Network Accelerators.
- Achieved 92% test accuracy across two competitor architectures, the framework was used by the wider team after my departure.

## PROJECTS

Independent – London, UK | Real-Time Forex Trading Bot | Independent Project

June 2024 – Present

- Created a real-time forex trading bot and backtesting system in **Python**, implemented-tested three strategies. Will soon start trading live.

EVMARC Advisers – London, UK | Financial Analyst, Consultant | Part-Time Project, Weekends Only

April – June 2024

- Created a consolidated portfolio with clear positions of 100+ unsanctioned emerging markets DRs through manual parsing of ETF and Mutual Fund annual reports of 50+ asset managers, as well as **Python** and **Excel** analysis. Met tight deadlines whilst conducting bid analysis.

AYA Nights – London, UK | Co-Founder

August 2022 – May 2024

- In my free time co-founded and managed AYA Nights, an event organisation initiative focusing on high-end, large-scale nightclub events.
- Organised 10 sold-out events, with recent events reaching 500 people across two rooms, at the two highest-end nightclubs in the UK.
- Established & retained a customer base of 1200+ people, through personal client relationships and partnerships with 12 UK universities.
- Following every event, performed analysis of costs and revenues, potential for growth, strategies for growth and revenue maximisation. Augmented business model with the quantitative data retrieved from analyses, increased per-event profitability by 500% in two years.

## EDUCATION

Imperial College London – London, UK

Graduated July 2022

MEng - First Class Degree in Electrical &amp; Electronic Engineering with Management

GPA: 78%

Key modules: Algorithms &amp; Data Structures, Machine Learning, Probability &amp; Stats, Optimisation, Computational Finance, High-Level Programming

Awards: - Awarded 2020 and 2021 Dean's List awards for Academic Excellence – Among top 10% of class in 2020, top 5% in 2021

- Entrepreneurship – Engineers in Business Fellowship Prize for my team's project, "Tutti: An Amateur Orchestra Management Program"

Enka Schools – Istanbul, Turkey

Graduated June 2018

IB (International Baccalaureate) Diploma and Anatolian High School Diploma

GPA: 38/45, 95.12% (Respectively)

Awards: IB Diploma Programme valedictorian, first place Academic Honours in Physics and German

Mimar Sinan Fine Arts University – Istanbul, Turkey

Graduated July 2017

Part-Time Classical Piano Diploma

Distinction

## ACTIVITIES AND LEADERSHIP

UBS and Credit Suisse – London, UK

2022 – Present

- Social secretary, Graduate Committee – organised joint events between UBS and Credit Suisse, each with 80+ grads. Now organising networking and philanthropic events, including a workshop for a school for neurodivergent students and a coding day for school students.
- Led a team of 12 people in the UBS Hackathon, designing and implementing an effective **NLP** solution using **Large Language Models** for natural language queries for opaque data in UBS — team received recognition from judges and made it to the final stage of the hackathon.

Imperial College London – London, UK

2018 – 2022

- Co-founded, then elected chair of a popular cultural society, recruited 100+ members, organised social events with over 400 attendees.
- Head Pianist of the Musical Theatre Society Pit Orchestra, joined with short notice and performed in three successful shows.

## SKILLS

Technical skills: Python (Pandas, NumPy), Java, Spring, Kafka, React, TypeScript/JavaScript, Linux, Git, Machine Learning, Kotlin, F#, Docker

Languages: English (IELTS 8.5), German (Goethe B2), Turkish (Native)