Arman Fidanoglu

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EDUCATION

Imperial College London – London, UK   **Graduated July 2022**
MEng - **First Class Degree** *in* **Electrical & Electronic Engineering with Management**   GPA: 78%
Key modules: Machine Learning, Optimisation, Network Security, Algorithms & Data Structures, Computer Architecture, Electronics
Technical skills: Python [★★★], Java [★★★], Kotlin [★★], F# [★★], TypeScript [★★], ROS, Linux, Docker, Git, Android, Agile
Languages: English (IELTS 8.5), German (Goethe B2), Turkish (Native)
Recognition: 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 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)
Key modules: Higher Level Mathematics, Physics and English Literature   7, 7, 6 (Out of 7)
Recognition: IB Diploma Programme valedictorian, First place Academic Honours in Physics and German

Mimar Sinan Fine Arts University – Istanbul, Turkey - **Part-Time Classical Piano Diploma** (Distinction)   **Graduated July 2017**
Oracle – London, UK - **Certified Oracle Cloud Infrastructure Associate**   **Certified October 2020**

EXPERIENCE AND PROJECTS

UBS – London, UK
Software Engineer - Equity Derivatives Sales Platform   **November 2023 – Present**
- Working on creating new testing framework using cutting-edge technologies, integrating into distributed **Java** applications

Credit Suisse – London, UK
Software Engineer - Pre-Trade Orchestration   **August – November 2023**
- Worked on a new feature on the application, creating a "bridge" between UBS and Credit Suisse as part of the integration
- Added features to the **Kotlin** codebase to reduce load on devs, oversaw deployment, received positive feedback from users

Software Engineer - Risk Technology   **August 2022 – August 2023**
- Developed, owned and supported production deployment of new **Python** data processing component for global trade data
- In cross-functional **agile** team, worked on aggregating and enriching unstructured trade data from asynchronous sources
- Refactored legacy **Python** codebase leveraging concurrency and OOP, achieving a three-fold performance improvement

Imagination Technologies – London, UK
Competitor Performance Analysis Engineer (AI)   **March – October 2021**
- Built a novel test framework for rapid model deployment onto competitor Neural Network Accelerators, used **TensorFlow** and **ONNX** on **Python**, along with **Bash** and **C++,** accelerated data collection/testing processes of R&D team
- Used the framework to conduct analysis on one competitor's architectures, uncovered vital information for R&D team

Imperial College London – London, UK
"Dynamic Grasping with a Quadruped Mobile Manipulator" – Master's Project   **2021 – 2022**
- Implemented robotic system enabling BostonDynamics Spot robot and robot arm to move simultaneously to grasp objects
- Created vision, localisation and movement algorithms with **ROS**, **Python** and **C++** for fully autonomous dynamic grasping

"ISSIE Logic Simulator: Draw Block" – High-Level Programming Project   **2020 – 2021**
- Replaced JavaScript wire-drawing library of logic simulator with an efficient, functional **F#** library to improve performance
- Part of team that implemented the entire **F#** front-end framework for the logic simulator, the team's work got selected

Undergraduate Research Assistant (AI)   **Summer 2020**
- Employed novel temporal methods to design and train Spiking Neural Networks using **PyTorch**, achieved high accuracy
- Devised tutorials to help microelectronics professor with research about SNNs on low-power neuromorphic hardware

Independent – London, UK - **"Malafatus" – Productivity App**   **2020**
- Created **Android application** that aims to increase productivity by focusing on reducing time spent on habits instead
Refer to my website or GitHub for more projects!

ACTIVITIES AND LEADERSHIP

UBS & Credit Suisse – London, UK   **2022 – Present**
- Social secretary, Graduate Programme committee - organising networking and philanthropic events for the grad community

Imperial College London – London, UK   **2018 – 2022**
- Co-founded, then elected chair of a popular cultural society, recruited 100+ members, organised events with 400 attendees
- Mentored 10 students at the Global Summer School, 4 of which applied the following year and were offered a place
- Head Pianist of the Musical Theatre Society Pit Orchestra, joined with short notice and performed in three successful shows