

## EDUCATION

<b>Imperial College London – London, UK</b>	<b>Graduated July 2022</b>
<b>MEng - First Class Degree in Electrical &amp; Electronic Engineering with Management</b>	<b>GPA: 78%</b>
<b>Key modules:</b> Machine Learning, Optimisation, Network Security, Algorithms & Data Structures, Computer Architecture, Electronics	
<b>Technical skills:</b> Python [★★★], Java [★★★], F# [★★], C++ [★], JavaScript [★], ROS, Linux, Docker, Git, Android Studio, Agile	
<b>Languages:</b> English (IELTS 8.5), German (Goethe B2), Turkish (Native)	
<b>Recognition:</b> 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	
<b>Enka Schools – Istanbul, Turkey</b>	<b>Graduated June 2018</b>
<b>IB (International Baccalaureate) Diploma and Anatolian High School Diploma</b>	<b>GPA: 38/45, 95.12% (Respectively)</b>
<b>Key modules:</b> Higher Level Mathematics, Physics and English Literature	<b>7, 7, 6 (Out of 7)</b>
<b>Recognition:</b> IB Diploma Programme valedictorian, First place Academic Honours in Physics and German	
<b>Mimar Sinan Fine Arts University – Istanbul, Turkey - Part-Time Classical Piano Diploma (Distinction)</b>	<b>Graduated July 2017</b>
<b>Oracle – London, UK - Certified Oracle Cloud Infrastructure Associate</b>	<b>Certified October 2020</b>

## EXPERIENCE AND PROJECTS

<b>Credit Suisse – London, UK</b>	<b>August 2022 – Present</b>
<b>Technology Analyst (Software Developer)</b>	
<ul style="list-style-type: none"> <li>In cross-functional <b>agile</b> team, aggregating and enriching unstructured trade data from several asynchronous sources</li> <li>Refactored legacy <b>Python</b> codebase leveraging concurrency and OOP, achieving a three-fold performance improvement</li> <li>Own and support production deployment of refactored codebase since third month in team, inform business decisions</li> <li>Recently joined a second team in parallel, developing a new feature for a <b>stateless distributed Java app</b> holding risk data</li> </ul>	
<b>Imagination Technologies – London, UK</b>	<b>March – October 2021</b>
<b>Competitor Performance Analysis Engineer (AI)</b>	
<ul style="list-style-type: none"> <li>Built a novel test framework for rapid model deployment onto competitor Neural Network Accelerators, used <b>TensorFlow</b> and <b>ONNX</b> on <b>Python</b>, along with <b>Bash</b> and <b>C++</b>, accelerated data collection/testing processes of R&amp;D team</li> <li>Used the framework to conduct analysis on one competitor's architectures, uncovered vital information for R&amp;D team</li> </ul>	
<b>Imperial College London – London, UK</b>	<b>2021 – 2022</b>
<b>"Dynamic Grasping with a Quadruped Mobile Manipulator" – Final-Year Project</b>	
<ul style="list-style-type: none"> <li>Implemented robotic system enabling BostonDynamics Spot robot and robot arm to move simultaneously to grasp objects</li> <li>Created vision, localisation and movement algorithms with <b>ROS</b>, <b>Python</b> and <b>C++</b> for fully autonomous dynamic grasping</li> </ul>	
<b>"ISSIE Logic Simulator: Draw Block" – High-Level Programming Project</b>	<b>2020 – 2021</b>
<ul style="list-style-type: none"> <li>Replaced JavaScript wire-drawing library of logic simulator with an efficient, functional <b>F#</b> library to improve performance</li> <li>Part of team that implemented the entire <b>F#</b> front-end framework for the logic simulator, the team's work got selected</li> </ul>	
<b>Undergraduate Research Assistant (AI)</b>	<b>Summer 2020</b>
<ul style="list-style-type: none"> <li>Employed novel temporal methods to design and train Spiking Neural Networks using <b>PyTorch</b>, achieved high accuracy</li> <li>Devised tutorials to help microelectronics professor with research about SNNs on low-power neuromorphic hardware</li> </ul>	
<b>"VisuAid" – Second-Year Project</b>	<b>2019 – 2020</b>
<ul style="list-style-type: none"> <li>Developed algorithms for graph visualisation device built by team, improved participation in math class for visually impaired</li> </ul>	
<b>"Rover" – First-Year Project</b>	<b>2018 – 2019</b>
<ul style="list-style-type: none"> <li>Directed team that built best-in-department rover analysing electromagnetic signals, wrote <b>Android app</b> for remote control</li> </ul>	
<b>Independent – London, UK - "Malafatus" – Productivity App</b>	<b>2020 - Present</b>
<ul style="list-style-type: none"> <li>Created <b>Android application</b> that aims to increase productivity by focusing on reducing time spent on habits instead</li> </ul>	

## ACTIVITIES AND LEADERSHIP

<b>Credit Suisse – London, UK</b>	<b>2022 – Present</b>
<ul style="list-style-type: none"> <li>Social secretary, Analyst Programme committee - organising networking and philanthropic events for the analyst community</li> </ul>	
<b>Imperial College London – London, UK</b>	<b>2018 – 2022</b>
<ul style="list-style-type: none"> <li>Co-founded, then elected chair of a popular cultural society with 100+ members, organised events with 400 attendees</li> <li>Mentored 10 students at the Global Summer School, 4 of which applied the following year and were offered a place</li> <li>Head Pianist of the Musical Theatre Society Pit Orchestra, joined with short notice and performed in three successful shows</li> </ul>	

## STRENGTHS

Flexibility | Collaboration | Creativity | Organisation