Omer Gursoy

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EDUCATION

Marlborough College   Sep 2019 – Ongoing
- Junior Student / Anticipated Graduation: June 2023
- **IGCSEs**: Biology, English Literature, Maths, Physics, English Language, Computer Science, Design and Technology, Spanish, Latin, Religious Studies, Chemistry
- **A Levels**: Maths, Further Maths, Spanish, Economics

Woodcote House School for Boys   Apr 2016 – Jul 2018
- Placed through Common Entrance examinations

WORK EXPERIENCE

TAZI.AI: Machine Learning AI Software Developer   Jul 2022
- Examined all the different departments of the company from back-end and front-end developing teams to managerial, customer service and advertising teams, communicated with members from each team and familiarised myself with their responsibilities
- Studied the pandas Python library and the way it is used in machine learning algorithms by getting hands-on beginner-level experience writing code under the supervision of experts in the field
- Assessed the communications department with the English script translations of their video content

Sevan Bicakci Couture Jewellery Atelier   Jul – Aug between 2016 – 2020
Apprentice
- Apprenticed at the atelier for four summers, starting from menial jobs and moving up to basic administrative work and sales for the duration of my employment
- Served clients at the store to facilitate customer satisfaction and connection, mopped and cleaned the workshop and did small but critical errands such as moving jewellery pieces around the workshop safely whilst being crafted for the first two summers of my apprenticeship
- Observed and participated in client-salesman negotiations for the following two summers of my apprenticeship
- Inventoried each different piece of jewellery in different stores across Istanbul and Miami, following up with each of their manufacturing stages

ACADEMIC ENRICHMENT ACTIVITIES

Self-Directed Research: Mathematics Behind Machine Learning and AlphaZero   May 2022 – Jun 2022
- Took the initiative to conduct research on a topic that intersects with three areas that fascinate me deeply: mathematics, data science and machine learning
- Evaluated the basics and types of machine learning paradigms, drawing from Cornell and Berkeley Universities' work on the field as my primary sources
- Investigated the history of the AlphaZero computer program and one of its key aspects, deep neural networks
- Explored the basics of deep learning as used by AlphaZero and other ML programs based around deep neural networks

UKMT Intermediate Mathematical Challenge   Nov 2021
- Awarded with a Bronze level certificate by the United Kingdom Mathematics Trust

Tech in Finance Workshop   Mar 2021
- Participated in a workshop organised by Skills Gap on the topic of how advanced use of technology is driving change and competition in the finance industry, taught by data scientist Moideen Kalladi

British Physics Olympiad Intermediate Physics Challenge Mar 2021

- Awarded with a Bronze Medal by the British Physics Olympiad organised by the Physics Department of the University of Oxford

SOCIAL RESPONSIBILITY PROJECTS

Volunteer for the <u>Hayata Renk Ver</u> project <u>SOSDES</u> 2021 – 2022

- Taught music to children who are underdeveloped or behind in their education due to chronic illnesses and long periods of hospitalisation via activities like rhythm games so as to both help educate them and to boost their morale in the face of difficulties by bringing variety and fun to their lives

<u>Volunteering Member of the YGA</u> 2020 – 2021

- YGA is a Turkish non-governmental and non-profit organisation which, among many other humanitarian pursuits, seeks to incentivize younger generations to discover and enjoy science and innovation
- As a volunteering member, used recycled plastic to construct planters and a water filtration system for green gardening

SKILLS AND HOBBIES

- **Technical**: Python (Beginner); Microsoft Office (Word, Excel, PowerPoint, Teams)
- **Language**: Turkish (Native), English (C2), Spanish (B1), Latin (A2)