Melike Saide BUYUKBAYRAK

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EDUCATION

The Hong Kong University of Science and Technology (HKUST)   **Sep 2023 – Nov 2024**
School of Engineering   **Hong Kong**

- Withdrawn from the Mechanical and Aerospace Engineering programme
- Was a recipient of the **Global Learners Scholarship,** which waives the full tuition
- **Completed Courses**: Critical Thinking and Data Literacy, Advanced Academic English for University Studies, Calculus IA, Energy Systems in a Sustainable World, Introduction to Computer Science, Introductory Physics
- **First-Year Engineering Design Project Course**:
    - Took part in a group project with four other classmates and designed an electric vehicle model from scratch from brainstorming, prototyping, coming up with alternative solutions and planning to evaluating and iterating upon based on feedback
    - Presented the finished electric vehicle model to teachers via a parkour race

Bakirkoy Private Florya Anatolian High School   **Sep 2019 – Jun 2023**
Turkish National Anatolian High School Diploma, Final GPA: 88.24/100   **Istanbul, Turkey**

- **Courses**: Physics, Chemistry, Mathematics, Biology, Computer Science, Philosophy, English, and more
- **Distinctions**: Received High Honor Certificates in Grades 10-12, received Honor Certificate in Grade 9

LEADERSHIP SKILLS

Mentor in the HKUST Peer Mentoring Program   **Sep 2023 – Nov 2024**

- Received training to become a student mentor for newer students to support them in academic career planning
- Helped organize orientation programs and welcome week activities for new students at HKUST to help them adjust to their new surroundings
- Met with mentee students regularly to receive constant feedback about their student experiences and academic performances to help them plan or problem-solve

ACADEMIC ENRICHMENT ACTIVITIES

Private Algorithm Lessons   **Jun 2022 – Jun 2023**

- Took a beginner-level algorithm course by Asst. Prof. Onur Ugurlu on programming with C, machine learning using Python, and mathematical modelling and optimisation with Java and Cplex

VC-Stem: Robotics Summer Camp, **Leysin, Switzerland**   **Jul 2022**

- Learned basic coding logic and Python codes through pre-made blocks of code we were given to re-organize so as to make robots perform assigned functions properly
- Competed against other students in coding robots to race as well as box each other and learned how to compartmentalize tasks to simple instructions and rules for a robot to be able to follow efficiently by comparing the different approaches other students also took to achieve similar results from different avenues and see which ways proved more efficient in a competition

University College London (UCL) Study Preparation Module   **Jul 2022**

- Learned about higher education styles, how to conduct myself as a university student, academic reading and writing, citations, referencing and avoiding plagiarism with an online module developed by the UCL Institute of Education

Interview Techniques   **Jul 2022**

- Finished and received a certificate for an online program that teaches the role of social media in professional hiring and how to prepare for professional interviews

EXTRACURRICULAR ACTIVITIES

Bakirkoy Florya Private Anatolian High School Model United Nations (MUN)   **2019 – 2023**

- Participated in MUN in Barcelona (2019), MUN in Seoul (2021) and Online MUN in Russia

Horse-Riding Competitions organized by the Turkish Equestrian Federation   **2015 – 2019**

- Ranked 1st place at Kemer Country Club New Year Cup – Hurdle Race (85cm)   Dec 2019
- Ranked 5th place at Kemer Country Club New Year Cup – Hurdle Race (80cm)   Dec 2019
- Ranked 4th place at the End of Year Cup of IASK   Dec 2018
- Ranked 5th place at the Turkey Jockey Club and Infinity Wellness Clinic Cup – IASK Hurdle Race   Sep 2018
- Ranked 4th place at the Mazda Jinba Ittai Cup   Feb 2018
- Ranked 1st place twice at Mazda Jinba Ittai Cup Rung I   Feb 2018

SKILLS AND HOBBIES

- **Technical**:   Beginner level skills in C, Cplex, Python, Java, HTML
  Microsoft Office (Word, Excel, PowerPoint)
- **Language**:   Turkish (Native), English (Advanced)