AYBERK DEMIRKOL

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PROFILE

I am a recent Computer Science (Artificial Intelligence) graduate from King's College London with first class honours. I have acquired technical knowledge and skills from my course as well as practical and business knowledge through my work experience in a security & smart-home company. Specialising in mobile app development and artificial intelligence, I am keen to further develop my knowledge as a graduate developer.

EDUCATION

KING'S COLLEGE LONDON   **London, United Kingdom**
Department of Informatics Class of 2020
Bachelor of Science in Computer Science (Artificial Intelligence)
- Achieved: First Class Honours
- Project experiences in Swift, Java, Python, Scala, C#, CSS, HTML, MySQL, Unity
- Honours/Awards: AP Scholar with Distinction, Turkish international representative of European Youth Parliament

EXPERIENCE
Jun – Oct 2019

Multitek Electronics   **Istanbul, Turkey**
iOS Developer
- Developed and released an iOS application for controlling KNX/RF/Relay and alarm devices in Swift from ground up
- Integrated TCP socket protocol, SQLite database and Siri shortcuts to enable user-specific smart home shortcuts
- Project management of iOS application focusing VoIP solutions in Swift
- Manual testing, TestFlight testing, Kanban board , agile software development, Git version control

PROJECTS
Sep – Apr 2020

King's College London Thesis   **London, United Kingdom**
Classification of Epilepsy Types using Deep Learning
- Researched seizures, symptoms and morphological nature of epilepsy
- Achieved 87.14% accuracy for classification of motor seizures from non-motors
- Pre-processed data, and extracted features specific to accelerometer, electrocardiography, electromyography and electrodermal sensitivity channels
- Trained, evaluated and tested robustness of different classifiers such as neural networks, support vector machines and ensemble methods

Feb – Apr 2020

Formula1 Data Visualisation   **London, United Kingdom**
D3.js Developer
- Pre-processed Ergast developer database for F1 using Python. Visualised lap data and win/podium count to determine GOAT using D3.js and CSS
- Made derivations and analysis on racing pace, pit strategies and best lap attempts

Jan – Mar 2019

King's College London Second Year Major Project   **London, United Kingdom**
iOS Developer
- Developed cross-platform mobile application using Swift, Java and Firebase aiming to increase clinician's security during home treatments
- Worked in a group of 8 following agile software development cycle; held regular meetings with the client and professor; presented prototype solutions and weekly goals

ADDITIONAL
- Committee member of KCL Tech Society. Implemented and published website of HackKing's 6.0 using AWS S3
- Played and captained King's College London League of Legends Team
- Organised and hosted the very first European Youth Parliament conference in my high school, Uskudar American Academy
- Choreographed a dance and played piano for the guests in the opening ceremony
- Played volleyball for 4 years in high school team, became town champions