AYBERK DEMIRKOL

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• ayberkd.github.io/portfolio/

PROFILE

I am a 3rd year Computer Science (Artificial Intelligence) BSc student at King's College London. 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 (Graduates in July 2020)
Bachelor of Science in Computer Science (Artificial Intelligence)
- Predicted: 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 App Developer
- Development of iOS application focusing KNX/RF/Relay-IP solutions in Swift5
- Socket protocol integration
- Project management of iOS application focusing VoIP solutions in Swift5
- Manual testing, TestFlight testing, agile software development

July – Aug 2017

Multitek Electronics   **Istanbul, Turkey**
Software Developer Intern
- Worked in a software development team developing an android application using Java focusing IP based IoT solutions using socket protocols
- Designed GUI panel and worked on VoIP API that allows users to check security footage on their phones; got familiar with Multitek's API and wrote documentation

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.
- Designed a system to classify motor seizures from non-motor seizures with 87.14% accuracy.
- 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.

Jan – Mar 2019

King's College London Second Year Major Project   **London, United Kingdom**
Swift 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
- Organised and hosted the very first European Youth Parliament conference in my high school, Uskudar American Academy
- Playing piano for 13 years
- Choreographed a dance and played piano for the guests in the opening ceremony
- Committee member of KCL Tech Society. Designed website of HackKing's 6.0
- Played and captained King's College London League of Legends Team
- Played volleyball for 4 years in high school team, became town champions

*References available on request