

ULUC ALI TAPAN

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EDUCATION

McGill University

B. Eng. Electrical Engineering with a Minor in Software Engineering 2020

Coursework: Electromechanics, Control Systems, Digital Logic, Signals and Systems, Microelectronics, Data Structures and Algorithms, Operating Systems, Computer Architecture, Applied Machine Learning

Enka Highschool Istanbul

Diploma Score: 84.02

EMPLOYMENT

McGill University, *Research Assistant*, 845 Sherbrooke St W, Montreal, Quebec H3A 0G4

May 2020 - Current

- Working under the supervision of Prof. Arvind Karunakaran
- Analyzed data of various websites for censorship and deletion practices using sentiment analysis
- Built web crawlers using Python to scrape large contents of textual data
- Built LDA models (with gensim), topic modelling the collected data

Bombardier Aerospace, *Avionics Engineer (Co-Op)*, 13100 Boulevard Henri Fabre, Mirabel, QC J7N 3C6

May 2018 - Aug. 2019

- Developed products for CRJ type aircraft while ensuring compliance with FAA/EASA/TC regulations
- Contributed to the development of multiple avionic and electrical systems projects
- Designed test tools and harnesses to increase productivity of aircraft technicians
- Created Python scripts to ease access to databases
- Assisted in multiple aircraft tests

Otokar Automotive, *Electrical Engineering Intern*, Arifbey Mahallesi, 54580 Arifiye/Sakarya, Turkey

May 2017 - Aug. 2017

- Serviced/repaired ARMA 8x8,6x6 and KAYA vehicles
- Created a new symbol library in AutoCAD
- Analyzed data frames of SAE J1939 for troubleshooting
- Assisted in multiple vehicle tests such as corrosion and EMI

Makel Teknoloji, *Electrical Engineering Intern*, Y.Dudullu Mh. Adil Sk. No:43 Ümraniye 34775 Istanbul Turkey

May 2016 - Aug. 2016

- Performed military standard documentation and cabling
- Participated in multiple QA/inspection meetings and took minutes
- Conducted sourcing for required electronic parts within Turkey and Europe for multiple projects
- Assisted the software development of CBRN systems used in the MILGEM project

AnEl Elektrik, *Summer Intern*, Saray Mah. Siteyolu Sokak No:5/4 Ümraniye Istanbul Turkey

May 2015 - Aug. 2015

- Assisted in engineering projects for application and distribution of luminaries and power systems
- Created assembly and layout drawings using AutoCAD
- Interpreted drawing markups and implemented drawing revisions provided by engineers
- Installed multiple cable trays, luminaries and CCTV electronics

PROJECTS

KABOOM - Minecraft Mod

May 2020 - Current

Developed a simple mod for the popular videogame Minecraft, enabling users to craft various explosives in the game. This mod was written in Java using the Forge modding API.

For more information and details: <https://www.curseforge.com/minecraft/mc-mods/ka-boom>

ACTIVITIES

Alpha Sigma Phi, *New Member Education Director*

Sept. 2016 - Dec. 2017

- Coordinated with the founding class to set up the professional, brotherhood and philanthropy pillars of the fraternity
- Ensured the education of new members by teaching them the history and values of the organization in weekly meetings
- Organized philanthropic events

Sports

- Member of Enka SK water polo team (Istanbul) and McGill water polo team
- Selected for U15 and U17 Turkish national water polo team for European competitions between 2011-2013 among 200+ players

SKILLS

TECHNICAL SKILLS: C, Java, VHDL, Python, MATLAB, JavaScript

LANGUAGES: Turkish (Native), English (Fluent), German (Conversational)

INTERESTS: Automotive, Sailing, Fitness