Adnan Can TURKAY

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EDUCATION

Northwestern University, McCormick School of Engineering, Evanston, IL   Expected Graduation June 2021
B.S. in Computer Engineering, Minor in Computer Science
- Coursework includes: Object Oriented Programming, Data Structures, Assembly, Artificial Intelligence, Game Development, Control Systems, Signal Processing
- GPA: 3.47

WORK EXPERIENCE

Intern Engineer/Translator, **SHERPA - SANTOR Engineering,** Istanbul, Turkey   September 2018
- Coded a script and a <u>GUI in MATLAB</u> to create a pdf report of the employees' performance, recorded in Excel spreadsheets
- Increased productivity during the meetings between SHERPA and Peugeot (Groupe PSA) by saving more than %20 of the time by working as an <u>English-French translator</u>

Intern Engineer, **FIGES Advanced Engineering Solutions**, Istanbul, Turkey   July 2018 – August 2018
- Created a physically realistic model of Toyota's hybrid C-HR in <u>Simulink</u>, using <u>Stateflow</u> and <u>Simscape</u>, after researching hybrid electric vehicles extensively
- Proved my model is %95 accurate trough verification and validation of the model by running tests on performance and comparing it with the car's documentation data, as well as with my own data from on the ground testing with the car

Intern Engineer, **Iletisim Yazilim Industrial Software Development**, Bursa, Turkey   August 2016 and July 2014
- Reduced hardware costs by as much as %30 by introducing the company to Raspberry Pi, which the company is still using
- Developed an automation software to draw and then cut geometrical shapes from sheet metal to use in cars

LEADERSHIP, CAMPUS INVOLVEMENT AND PROJECTS

Mobile App Development Team Member, **Northwestern University IEEE,** Evanston, IL   September 2018 – …
- Learned IOS and Android app development while working on an application aiming to keep people safe outside their homes

Software Developer, **Northwestern University Solar Car Team (NUSOLAR),** Evanston, IL   September 2017 – June 2018
- Collaborated with the Electrical Team's telemetry division for developing code for real-time monitoring of the solar car
- Improved my teamwork skills by working together with a group of 25 and gained experience in <u>Visual Basic</u>, <u>SQL</u>, <u>CAN bus protocol</u> and TCP protocol

Client Communication Executive, **MyHomePT,** Evanston, IL   April 2018 - June 2018
- Carried out client communication on a an <u>IOS app development</u> project aiming to help our client with his physical therapy sessions and wrote a 70-page report for the project, gaining experience in IOS software development

*<u>Project Manager</u>***,** **PRESTO,** Evanston, IL   January 2018 - March 2018
- Prototyped and tested in the workshop to create a product for my team's client, gaining experience in using <u>mill and lathe machines</u> and improved leadership skills
- Received the <u>communication award from Segal Design Institute</u> for our performance in communicating with the client

<u>Founder and Leader</u>, **Robotics Club**, Istanbul, Turkey   2015 – 2016
- Established the robotics club in my high school and led the team of 17 students for a year
- Created a robot that removed waste from sea and came in third on our first year in a competition between 20 high schools

Volunteer, **TURGOK**, Turkey's Library for the Visually Impaired, Izmir, Turkey   June 2016
- Contacted over 50 visually impaired members of the library over the phone and in person to learn about their needs and to improve the facilities of the library accordingly, improving my communication skills

SKILLS

Programming Skills: Python, C#, C++, MATLAB (Simulink and Stateflow), Visual Basic
Software: Visual Studio, Autodesk Fusion 360, Microsoft Office, Unity
Languages: Fluent in English, Turkish and French (DELF/DALF C1 Certificate)
Other Skills and Interests: 3D Design and Printing, Amateur Rocketry, Playing Piano and Playing Basketball