Ibrahim Ozgel

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EDUCATION

Texas A&M University - *Enrolled*
Computer Science Major
In the University Honors & Engineering Honors Program
Current GPA: 3.50
Class of 2023

Debakey High School for Health Professions
High School Class of 2020

EMPLOYMENT HISTORY

Houston Mechatronics
Engineering Intern   *June 2018 - August 2019*

- Two Summer internship with focus in mechanical engineering the first year and software the second
- Designed CAD models via SolidWorks
- Reworked parts for assistance for troubleshooting mechanical problems
- Co-designed and implemented an Oxy-Acetylene system for usage in an automated Brazing robot
- ABB IRB1600 Manipulator arms
  - Crimped wires, soldered things ranging from wires to PCB's to SMD's, installed connectors to end effectors
  - Mapped out ethercat chain for controlling portions of robots
- Used ROS and Docker with a Raspberry-Pi to get a controller for a battery charger (controlled wirelessly)
- Assembled server rack for wirelessly controlling a AUV/ROV robot
- Worked part-time at the NASA Neutral Buoyancy Lab for AUV/ROV testing

Quarry 1 Natural Stone
Temporarily General Manager   *June 2016 - July 2020 Over School Holidays, currently (somewhat) Full Time*

- Used to work over school breaks
- Eventually led the company after the owner (my father) passed away
- Experience accounting and managing/ making sales
- Ample experience working in the warehouse (operating forklifts etc.)
- Worked as front clerk and engaged with customers (both retail and wholesale)

PROFESSIONAL SKILLS

- Basic Experience with C# & .NET
- Experienced using HTML5 & CSS, Java, Python, Git, JavaScript, PHP, C++
- Basic knowledge creating, training, and implementing neural network models via TensorFlow
- Experience practicing Qiskit to create basic quantum circuits/algorithms
- Significant Capability with Microsoft Office (Word, Excel, PowerPoint, Publisher, etc.), LaTeX, and Adobe Creative Cloud (primarily Premiere Pro, Illustrator, & Photoshop)
- Can natively speak Turkish and English

Projects and Leadership

Robotics:
Have been into robotics from 3rd grade to college
Got first in the regional competition twice in the years 2012 & 2013 in Early Robotics
Made it to state in FLL (First Lego League) in the years 2015 and 2016
Created and lead the Robotics club in my school which competed in VEX and FRC with 50+ members; this involved all facets of leadership from looking for sponsors to
Vex State Finalist (2019, 2020)

Science Fair → Research:
Competed within the years 2013, 2015, 2016
Competed in nationals (Broadcom Masters) in the years 2015, and 2016

Completed a research project/ paper concerning the usage of convolutional neural networks to detect signature authenticity within the field of cybersecurity in a non-competitive manner in 2018-2019

-Developed a Convolutional Neural Network for image detection via TensorFlow

Odyssey of the Mind:

Have competed for 7 years: 2009-2015, 2019

Went to world finals four times

Got 5th place in the world finals once (along with my team)

Debate:

Have competed for 4 years: 2017-2020

Did World Schools Debate in a group of 3-5 people

Coached for other World Schools teams from 2019-2020