



# Alp ARGUN






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## EDUCATION

|  |  |                |
|--|--|----------------|
|  | <b>M.Sc. Electrical and Computer Engineering</b><br>RWTH Aachen University, <i>Aachen, GERMANY</i>                               | 2019 - Present |
|  | <b>B.Sc. Electrical and Electronics Engineering</b><br>Bilkent University, <i>Ankara, TURKEY</i>   GPA: 3.16/4.00, Honor Student | 2014 - 2018    |

## WORK EXPERIENCE

|  |  |                   |
|--|--|-------------------|
|    | <b>RWTH AACHEN UNIVERSITY</b> , Aachen, GERMANY, <i>Student Research Assistant</i> | 06/2019 - Present |
| <ul style="list-style-type: none"><li>Reinforcement learning applications on OpenAI Gym environments.</li><li>Automated the storing of battery test data that is extracted from a database, processed, stored locally and periodically updated using SQL and Python.</li><li>Implemented a Raspberry Pi project to control a bioreactor to stimulate tissues. Designed a graphical user interface for experiment configuration and simultaneously controlled a motor according to user input and measured and plotted the force applied on the tissue.</li></ul> |  |                   |
|    | <b>ASELSAN</b> , Ankara, TURKEY, <i>Software Engineer</i>                          | 01/2019 - 03/2019 |
| Worked on an object detection project.   |  |                   |
|   | <b>SIEMENS</b> , Budapest, HUNGARY, <i>R&amp;D Engineering Trainee</i>             | 08/2018 - 09/2018 |
| Developed a Raspberry Pi application to set up modal analysis for a transformer and plot data.   |  |                   |
|    | <b>ASELSAN</b> , Ankara, TURKEY, <i>Software Engineering Intern</i>                | 07/2017 - 08/2017 |
| Developed a protocol converter software for serial, socket, MIL-STD-1553, CAN and Ethernet.  |  |                   |
|    | <b>UMRAM</b> , Ankara, TURKEY, <i>R&amp;D Engineering Intern</i>                   | 05/2016 - 07/2016 |
| Automated a robotic arm movement and magnetic field measurement.   |  |                   |

## SKILLS




### Programming

|        |     |            |
|--------|-----|------------|
| Python | C++ | MATLAB     |
| Java   | SQL | VHDL       |
| HTML   | CSS | JavaScript |

### Frameworks & Platforms

|            |       |
|------------|-------|
| Tensorflow | Linux |
| Keras      |       |

### Languages

|   |                 |
|---|-----------------|
|  | Turkish: Native |
|  | English: C1     |
|  | German: B1      |

## ACADEMIC PROJECTS

|                                    |   |
|------------------------------------|---|
| <b>Mobile Controlled Car</b>       | Implemented a model car with a Raspberry Pi that collects data through its sensors, streams live video and is controlled by an Android application. |
| <b>Spoken Digit Classification</b> | Implemented a microphone circuit and recorded and processed speech signal. Used a custom-built data set to classify the recorded signal.            |
| <b>Fruit Classification</b>        | Processed and classified fruit images using machine learning algorithms.  |

## EXTRACURRICULAR ACTIVITIES AND AWARDS

|           |   |
|-----------|---|
| 07/2019   | Performed with RWTH Aachen University Choir and Orchestra                             |
| 2014-2010 | Won medals in national and regional tournaments with TED Ankara College handball team |
| 09/2010   | Turkish national handball team training camp, Nigde, Turkey                           |