


# Ahmed ALMIJBARI

## Elite MSc Student | Research Intern

 [ahmedalmijbari.github.io](https://github.com/ahmedalmijbari)    [ahmed.almijbari@tum.de](mailto:ahmed.almijbari@tum.de)    [AhmedAlmijbari](#)    +49 163 1952422  
 Felsennelkenanger 7 • 80937 Munich

## PERSONAL STATEMENT

I am an Elite MSc student and a research intern in Neuroengineering at TUM with an academic focus on promoting machine learning, data science, signal processing and computational models in brain science/engineering to expand human knowledge and improve people's lives. My ultimate goal is to reverse-engineer the biological brain to understand how the brain works, build robust intelligent systems, and use these technologies to help people with disabilities.

## EDUCATION

- |      |  |
|------|--|
| 2023 | <b>Elite MSc in Neuroengineering</b> , Technical University of Munich.   |
| 2017 | <b>BSc in Electrical Engineering</b> , University of Benghazi.<br>GPA : 3.95 out of 4. Thesis : EMG-Based Prosthetic Hand. |
| 2012 | <b>High School Degree of Engineering Science</b> , Secondary School of Engineering Science.<br>Overall : 97.93%.           |

## EXPERIENCE

- |                      |  |
|----------------------|--|
| Current<br>Oct 2022  | <b>Research Intern, THE NEUROIMAGING CENTER AT THE TECHNISCHE UNIVERSITÄT MÜNCHEN, Munich</b><br>Dynamics of Brain Connectivity Lab <ul style="list-style-type: none"><li>➤ Investigating the dynamics of neural information processing of the brain during the emergence of cognitive functions.</li></ul>          |
| Oct 2021<br>May 2021 | <b>Research Intern, TECHNICAL UNIVERSITY OF MUNICH, Munich</b><br>Ondracek Lab <ul style="list-style-type: none"><li>➤ Investigating learning and memory consolidation in the hippocampus.</li><li>➤ Worked on Real-time Sharp wave ripple detection and stimulation.</li></ul>                                      |
| Dec 2018<br>Sep 2017 | <b>Teacher Assistant, UNIVERSITY OF BENGHAZI, Benghazi</b> <ul style="list-style-type: none"><li>➤ Teaching tutorial lectures on Electromagnetic Theory and Digital Communications.</li><li>➤ Participating in research frameworks and topics, such as Signal Processing and Intelligent system modelling.</li></ul> |
| Nov 2017<br>Aug 2017 | <b>RF Engineer, MANART ALMUTAWASIT COMMUNICATIONS, Benghazi</b> <ul style="list-style-type: none"><li>➤ Worked on Drive-Test processes for the Nokia H+ project.</li><li>➤ Contributed to post-processing data field analysis</li></ul>  |
| Nov 2017<br>Aug 2017 | <b>Summer Intern, ALMADAR ALJADID, Tripoli and Benghazi</b> <ul style="list-style-type: none"><li>➤ Annual Internship, by the R&amp;D dept, for the top 30 university students around the country.</li></ul>   |
| Aug 2016<br>Jun 2016 | <b>Student Intern, HATIF LIBYA, Benghazi</b> <ul style="list-style-type: none"><li>➤ Internship on RF, microwave, and CDMA components through concepts and practice.</li></ul>   |

## SKILLS

---

<b>Programming</b>	Python, MATLAB, Julia.
<b>Computational</b>	<b>Machine Learning/Data Science</b> (Numpy - Pandas - sklearn - Pytorch) <b>Neuroimaging</b> (FSL - SPM) <b>Software</b> : Arduino - Git - C++ - $\text{\LaTeX}$ - Linux
<b>Mathematical</b>	Signal Processing - Large-scale Modelling and Data Analysis - Machine Learning - Probability Theory and Statistics - Dynamical Systems - Numerical Methods - Information Theory.

## CIVIL SOCIETY ACTIVITIES

---

<b>Dec 2018</b>	<b>Scientific Collaborator, TANAROUT ORGANIZATION, Benghazi</b>
<b>Jan 2018</b>	<ul style="list-style-type: none"><li>&gt; Co-Founded and led the Science Club.</li><li>&gt; Gave talks and organized discussions about various scientific topics.</li></ul>
<b>Dec 2017</b>	<b>Co-founder, BUILDING READERS PROJECT, Benghazi</b>
<b>Jan 2017</b>	<ul style="list-style-type: none"><li>&gt; Worked on engaging the top 50 students across Benghazi in reading activities.</li></ul>
<b>Dec 2018</b>	<b>Board Member, RUGBY 2018, Benghazi</b>
<b>Oct 2015</b>	<ul style="list-style-type: none"><li>&gt; Promoted sport and rugby for social peace and form a conscious young generation.</li></ul>
<b>May 2012</b>	<b>Co-founder and IT manager, LIBYA ALWATAN MEDIA FOUNDATION, Benghazi</b>
<b>Apr 2011</b>	<ul style="list-style-type: none"><li>&gt; Managing the IT department during the Libyan upspring.</li><li>&gt; Designed Libya Alwatan Newspaper and Alhawraa Magazine.</li></ul>

## DISTINCTION

---

<b>Member</b>	<b>Elite Network of Bavaria.</b> “The Bavarian state ministry of science and the arts initiative to support the outstanding talents at Bavarian universities.”
<b>Scholarship Holder</b>	<b>Rheinstahl Stipendium.</b> “The Rheinstahl Foundation supports up to 50 talented students per year in Germany in their academic training and professional development by promoting their studies with financial and non-material support.”
<b>Scholarship Holder</b>	<b>Louis Schuler Funds,</b> “Supporting committed, technology-loving students with scholarships, and awarding them for special achievements in their thesis and enabling them to do interesting projects at the universities.”