







Arghavan Aslani

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EDUCATION

B.Sc. in Electrical Engineering, University of Tehran, Tehran, Iran Sep. 2017 - Sep. 2022
Specialization in Control Systems

Overall GPA: 15.24/20

Member of BTCS (Brain Tech and Cognitive Science Club)

Performer and Member of Council at Performing Arts Club

[Link to Instagram Page](#)

EXPERIENCE

Crowd Cognition group, LMU — Research Assistant

Apr. 2022 - present

 crowdcognition.net

Conducted multiple data collections using the Pupil Invisible eye-tracker from Pupil Labs [Link to Guide](#)
and created a customized guide for data collection assistants.

Utilized data analytics techniques (statistical tests, similarity metrics, ...) [Link to Code](#)

Created data visualization based on the analysed data. [Link to Code](#)

Developed application to track and illustrate gaze data in real-time. [Link to Code](#)

ESLAB, University of Tehran — Lead Research Assistant

July 2021 - August 2022

 www.linkedin.com/company/eng-sci-lab

Developed a robot 2-DOF robot "Spider-Paint" that is able to get a picture as input [Link to Videos](#)
and draw/print it on a white-board using a marker.

Designed an algorithm in C to control two stepper motors on vertical plan using a single [Link to Code](#)
Arduino.

Authored a paper that has been accepted by the ISME Conference 2022. [Link to Paper](#)

CLIC, University of Tehran — Market Analyst

July 2019 - Sep 2019

Conducted in-depth analysis to identify optimal markets for eye-tracking devices.

Scheduled and facilitated meetings with potential customers.

Prepared and delivered weekly progress reports on the analysis.

PROJECTS

Web Scraping for Job Advertisements in <https://jobvision.ir>

[Link to Code](#)

Developed in Python. Utilized BeautifulSoup, pandas, and requests for web scraping and data processing.
Created a custom database due to the unavailability of existing datasets in the field.

CERTIFICATIONS

Task-Oriented Course in Data Analysis with Python

[Link to Certificate](#)

Computational Neuroscience, Neuromatch Academy

[Link to Certificate](#)

PUBLICATIONS

Design, Fabrication and Control of 2 DoF Robot in Vertical Plan

[Link to Paper](#)

TECHNICAL SKILLS

Programming Languages	Python, C, C++, SQL, MATLAB, HTML, CSS, JavaScript, R
miscellaneous	Linux, Git, Windows, LATEX, Microsoft Office