Halil ARICI

aricih@rpi.edu
www.linkedin.com/in/halil-arici/

EDUCATION

Rensselaer Polytechnic Institute, Troy, NY, U.S.   August 2023-Present
- *PhD* Student in Biomedical Engineering under the supervision of *Prof Juergen Hahn.*
- Teaching Assistant.

Northwestern University, Evanston, Illinois, U.S.   March 2023-June 2023
- Exchange Student, Electrical Engineering for Spring 2023 Quarter. **GPA: 4.0/4.0**
- Machine Learning, Biomedical Applications in ML, Internet-of-Things, Entrepreneurship.

Koç University, College of Engineering, Istanbul, Turkey   September 2018-June 2023
- Double Major Electrical & Electronics Engineering & Physics.
- Earned Full Scholarship (Anatolian Scholarship), **GPA: 3.79 / 4.0**.
- Won Best Senior Design Project for Gamer Wearable Device utilizing Biomedical Signal Processing, Python, and MATLAB.
- Mentored groups of 10 freshmen through their adaptation to university life with my leadership skill.

SKILLS

- Biomedical Signal Processing
- Machine Learning
- Python
- MATLAB/Simulink
- C/C++
- Proactive
- Self-Disciplined
- Team Player/Leader
- Written and Verbal Communication
- Ethics

EXPERIENCE

*Intern Project Manager***, Parsan, R&D,** Kocaeli, Turkey   January 2023-March 2023
- Analyzed the matrix structure of the company and reported on its feasibility for aviation R&D projects.
- Revised FMEA Procedures and Documents resulting in AS9100 AUDIT compliance.
- Organized and led the KPI determination meetings for the Aviation Department.

*Undergraduate Research Assistant (URA)***, Koç University,** Istanbul, Turkey   September 2022-January 2023
- Conducted research to increase optical resolution of cameras by applying **Deep Learning** (to be published).
- Collected simultaneous data from 2 cameras with different qualities, purposes, and resolutions with the help of **OpenCV and Python**.

*Electrical Engineering Intern***, Aselsan,** Ankara, Turkey   July 2022-August 2022
- Developed 4 new software features that decreased the test suite preparation time using **C#,** worked with the Helicopter System Integration Team.

*Electrical Engineering Intern***, Turkish Aerospace Industries,** Ankara, Turkey   June 2021-July 2021
- Developed an ethernet driver for the TF-X Simulator that can communicate with aviation displays through **UDP and TCP/IP** by employing **C++**.
- Completed the project ahead of schedule while meeting success criteria.

ACTIVITIES

IEEE Koç University Student Branch, Executive Board Member   September 2018-April 2021
- Budgeted the IEEE Club Treasury.
- Led a team of 9 members in the organization of engineering career events that hosted up to 200 people.

Ethics Leader Academy   October 2018-January 2019
- Completed the academy that is founded to educate young leaders to act ethically.