Ali Eren **Ak**

Computer Science and Engineering Student at Sabancı University
İstanbul, Turkey
+90 553 220 0027 | *akali@sabanciuniv.edu* | *https://alierenak.github.io*

Education

Sabanci University BACHELORS OF SCIENCE IN *COMPUTER SCIENCE AND ENGINEERING September 2018 - June 2023*   *ISTANBUL, TURKEY*

• High Honor Scholarship: Scholarship meets the 100% of the tuition fee and *provides a monthly* stipend.
• CGPA: 3.75

Namık Karamancı High School of Science *September 2014 - June 2018*   *ANTALYA, TURKEY*

Working Experiences

YAZI AI RESEARCH ENGINEER *January 2021 - Present*   *REMOTE*

• Worked at **newly founded AI Startup** focus on **NLP**
• Developed softwares for **Data Collection**, **MLOp**s and **Transformers-based Classification Models** (NER, Sentimental Analysis)
• Created the largest Turkish Corpora and trained language models using **HuggingFace FLAX in TPU**.

University of Amsterdam - ILPS Research Group RESEARCH INTERN *June 2021 - August 2021*   *AMSTERDAM, NETHERLANDS*

• Supervised by Evangelos Kanoulas and Mohammad Aliannejadi
• Worked on a new dataset **about Attribute-Value Extraction from Product Profiles**.
• Developed **transformer-based models** and compared with current studies and improved %**5 using taxonomy features** in embeddings.

SUNLP Research Group RESEARCH ASSISTANT *June 2020 - December 2020*   *ISTANBUL, TURKEY*

• Participated in projects called **Background linking on News articles**.
• Experienced in crucial NLP concepts such as **Named Entity Recognition**, **Conditional Random Fields**, **Transformers models.**

Projects

Background Linking on News Articles *Supervisor: Reyyan Yeniterzi June 2020 - Aug. 2020*

• Submitted two works to Background Linking and Wikification tasks in **29th Text Retrieval Conferences (TREC)**.
• Ranked at the **#1** in **Wikification Task** according to NDCG@5 metrics. Doc2Vec, StanfordCoreNLP, ElasticSearch, BERT and Universal Sentence Encoder are used in TREC. re
• Developed NLP models in Turkish using Zemberek, CRF, BERTurk, MultiBERT.

PROJECT REPORT: *https://alierenak.github.io/files/pure_project_report.pdf*
PAPER: *https://trec.nist.gov/pubs/trec29/papers/SUNLP.N.pdf*

iSemanticSpace *Apple Swift Student Challenge May 2020*

• Awarded by **Apple** in **Swift Student Challenge 2020**
• Developed Swift Playground which gamifies a description of **Semantic Spaces** in a fun way. 2 interactive game scenes and 1 end scene are added using **CoreML, NaturalLanguage frameworks**.
GITHUB: *https://github.com/akalieren/iSemanticSpace*

Image Segmentation for Question Detection from test book *Supervisor: Reyyan Yeniterzi Sept. 2019 - Jan. 2019*

OpenCV, detecting a question inside pages includes multiple questions in two columns, cleaning the dataset such noisy pages, unformatted pages, or outliers. Using Pytesseract, changing the format of question images from ".png" to ".txt" which is an analyzable format for future plans such as classification, text mining and analyzing algorithms for wrong questions.

Honors & Awards

2020	**Swift Student Challenge Winner** *Apple*	*California, USA*
2020	**Dean's High Honor List** *Sabancı University*	*Istanbul, Turkey*
2019-2020	**Sabancı University Extracurricular Awards** *Sabancı University*	*Istanbul, Turkey*
2018-2023	**Sabancı University High Honor Scholarship** *Sabancı University*	*Istanbul, Turkey*
2018	**Antalya Chemistry Olympics** *Akdeniz University*	*Antalya, Turkey*

Volunteer Work

Civic Involvement Projects (CIP), Sabancı University *PROJECT OVER-VISOR* *May 2019 - Present*

• Participated in various volunteering projects for each semester as a **Volunteer**, **Project Supervisor** and **Overvisor**.

Highlighted Projects

• **Discover Yourself (Muğla, Turkey)** *Jan. 2020 - Feb. 2020 -- Helping underprivileged children to see the world behind their town, dream to be universal, and be motivated for the future.*

• **Küçükköy Yaratıcı Teknolojiler Atölyesi (Balıkesir, Turkey)** *September 2019 -- Lead volunteering groups which held zoom sessions for kids who want to learn programming*

AIESEC, Ain Shams University *EDUCATION VOLUNTEER* *June 2019 - August 2019* *CAIRO, EGYPT*

• Being a voluntary buddy for Egyptian Orphans in their pretty house and playing games, watching films and doing homeworks with them, and especially teaching Turkish upon their lovely request.

• Participated in an Exchange Group which has 250 volunteers from 20 different countries.

Extracurricular activities

Sabancı University IEEE Student Branch *Sept. 2018 - Present*

• Being active in the most popular engineering society in university as a **Committee Chair**, **Computer Society President** and **Active Member**.

• Organizing popular events, **live sessions**, and **workshops** that are mostly about **Computer Science and Artificial Intelligence.**

• Learned significant concepts about **leadership**, **club activities**, **sponsorships**, and **business ethics.**

• Leading study groups for **Swift**, **Deep Learning** and **CS50x** (Introduction to Computation, Harvard University course by kodluyoruz.com), workshops.

• **Website:** ieeesabanci.org

Muzikus, Sabancı University Music Club *İstanbul, Turkey* *May. 2018 - Present*

• **Playing drums** in club activities at the end of the year in a band.

• Played mostly Indie Rock, Pop Rock, Punk, which I also love to listen to :)

Tea Talks With CEO's Club, Sabancı University *Istanbul, Turkey* *Sept. 2018 - May 2020*

• Participated in small groups that weekly meet with leaders, managers and CEO's in all over the world.

• Listening to the CEO's experience, asking questions and taking stock of business.