Ali Eren **Ak**

Computer Science and Engineering Student at Sabancı University

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Education

Sabanci University BACHELOR 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.
- GPA: 3.75/4.00

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

Work Experiences

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

- *Worked at **newly founded AI Startup** focusing 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 them 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**.*
- *Worked on **Named Entity Recognition**, **Background Linking and Wikification** using **Conditional Random Fields**, **Transformers models**, **Elastic Search***

Projects

Training Large Scale Turkish Language Models *Supervisor: Reyyan Yeniterzi* *Sept. 2021 - Jan. 2022*
- *Created and cleaned 40GB Turkish Corpus from social media texts.*
- *Trained T5, RoBERTa, BERT and GPT for Turkish language in Google Cloud TPU; improved current available models.*
- *Evaluated language models in downstream tasks such as token classification, text summarization and sequence classification.*

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 **#1** in **Wikification Task** according to NDCG@5 metrics; Doc2Vec, StanfordCoreNLP, ElasticSearch, BERT and Universal Sentence Encoder are used in TREC.*
- *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*

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 wanted to learn programming*

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

• *Volunteered as a buddy for Egyptian Orphans in their pretty house; played games; watched films; helped on their homeworks, and thaught 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*

• *Worked 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.**

• *Lead 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 CEOs from all over the world.*

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

References available upon request.