Selami Doğan Akansu

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EDUCATION

Eberhard Karls University of Tübingen   *Oct 2022 – Expected*
- Master's Degree of Economics and Finance   *Graduation in 2024*

Sabanci University, Istanbul/TURKEY   *Oct 2016 – July 2022*
- Bachelor of Science in Computer Science
- Bachelor of Arts in Management, Minor in Finance

AWARDS AND ACHIEVEMENTS
- Awarded Full Tuition Scholarship of Sabanci University
- Received 3 times Dean's High Honor List
- Received 4 times Dean's Honor List

RESEARCH EXPERIENCE

Deep Learning Transcription Tool for Ottoman Writings   *Oct 2021 – Present*
(Publication In Preparation)
- *Detecting optical characters from Ottoman writings with computer vision methods*
- *Transcribing Arabic letters to Latin letters using RNN-BiLSTM model*

Suspicious Behavior Detection from Zoom Recordings – Graduation Project   *Oct 2020 – June 2021*
- *Found participants' videos from Zoom recordings with Computer Vision solutions such as edge detection and Hough Transform.*
- *Detected Zoom participants' suspicious behaviors with Machine Learning Models such as deep neural networks and optical flow.*

Improving Deep Kinase Zero Shot Learning Program   *July – August 2019*
(DeepKinZero) PURE Project - Poster
- *Analyzed protein – kinase database: Gene Ontology similarities of kinases and proteins calculated, implemented as an improvement to DeepKinZero. I prepared a poster which was presented the findings.*

Representation Learning for Customers - (Word2Vec) PURE Project   *January – July 2019*
- *Generated an abstract customer database, used Word2Vec to predict customer behavior via word embeddings and vector space production, hypothesized its use in marketing fields.*

Automata and Finite State Machines PURE Project - Poster   *January – July 2018*
- *Selected for the Spring Semester Program for Undergraduate Research at Sabanci University,*
- *Collaborated with a team to decrease the complexity (from exponential to polynomial) of unique input-output sequence of finite state machines using synchronizing heuristic.*

WORK EXPERIENCE

Research Assistantship (HiWi) in University of Tübingen   *Feb 2023 - Present*

Brisa, YNKD Internship   *Sept – Oct 2021*
- *Labeled 2 thousand images for "Digital Tire Assistant" project.*
  The project received jury's special award among Sabanci Holding companies' projects
- *Developed a deep learning model that facilitates the tire factory's operations*

Intern at Turkish Aerospace Industries, Purchasing Department   *Jun – Aug 2021*
- *Improved the inventory system for tracking records of purchases in Excel*
- *Integrated financial records which come from different sources*
- *Developed a system that detects errors and omissions of purchasing records in Excel*

Intern at NextLab, Front-End Engineer   *Jun - Sept 2020*
- *Learned React-Native during the internship period.*
- *Developed front-end of a mobile application quickly in 2 months with a colleague.*
- *Helped backend and machine learning teams to finish the app completely.*
  Collaborated with professional programmers to solve problems of the app.

Android Beginner Workshop Trainer   *October 2019*
- *Lectured students on the use of Android Studio and its programmability as a part*
  of 5 weeks workshop offered by Sabanci University's Young Entrepreneurs Club

Student - Assistant in the Reference Department   *2017 – 2019*
at Sabanci University Information Center
- *Responsible for updating professors' academic reference sheets via Excel, upkeeping*
  their journals, incoming books and citations.

EXTRACURRICULAR ACTIVITIES
Founder of Finance Society, Sabanci University   *2021- 2022*
- *Conducted seminars with capital market professionals*
- *Helping many students to take the first step to finance*
- *Directing club members to learn financial operations with demo portfolios*

Fellow President at BlockFellow   *2018 - 2019*
(intra - university association for blockchain technology)
- *Organized BlockFellow meeting at Sabanci University and formed teams for the hackathon.*
- *Directed teams are and provided informative resources before the hackathon.*

Project and Networking Coordinator at Sabanci   *December 2018 –*
University Young Entrepreneurs Club   *January 2019*
- *Organized many seminars and panels with the collaboration of other coordinators of the club to*
  introduce entrepreneurship to university students.
- *Provided design thinking workshops to university students. The aim of the workshop was to*
  coach students to find their first start-up idea and design their idea/solution centered on
  users' needs.