

Canberk Tahil

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EDUCATION

The University of Chicago **Chicago, IL**
Master of Science in Financial Mathematics **Expected December 2025**

- Courses: Portfolio Theory & Risk Management, Python, Option Pricing, Probability & Stochastic Processes

Sabanci University **Istanbul, Turkey**
Bachelor of Science in Computer Science and Engineering (GPA: 3.80/4.0) **June 2024**

- Courses: Advanced Programming, Probability and Statistics, Data Structures and Algorithms, Differential Equations, Linear Algebra, Machine Learning, Data Science, Statistical Modelling
- Awards: Top 5% Honors; 100% full tuition merit scholarship; Dean's Honor List 7 semesters

SKILLS

Computing: C++, Python, Java, C#, C, R, SQL, MATLAB, PHP, MySQL, MS Office

Knowledge: Financial Markets, Machine Learning, Statistical Modeling, Data Analytics

Trading Products: Futures, Commodities, Fixed Income, Equities, Options

EXPERIENCE

Zaxe 3D Printing Technologies **Istanbul, Turkey**
Frontend Developer Intern **July 2023 - August 2023**

- Implemented a customer support system using Freshdesk, elevating user engagement and streamlining issue resolution processes
- Applied CSS, HTML, and Liquid for UI design, ensuring dynamic content rendering and a user-friendly interface
- Collaborated within cross-functional teams, meeting project deadlines and enhancing customer service operations

RESEARCH

Sabanci University **Istanbul, Turkey**
Music Flavor Analyzer & Recommender System **October 2023 - January 2024**

- Designed and implemented an online music system; aggregates users' liked-song data from various platforms, analyzes musical preferences, and offers tailored recommendations
- Utilized Laravel and Laravel Livewire for backend and frontend functionality, and Swift for mobile component

Sabanci University **Istanbul, Turkey**
Inflation Analysis System **February 2023 - June 2023**

- Analyzed Turkey's 3.5-year inflation trends through web scraping, data analysis, and machine learning
- Gathered e-commerce and TUIK inflation data for comparative visualizations; examined time series data to understand inflation trends of Turkish lira
- Applied machine learning models and algorithms in Python for predictive modeling

Sabanci University **Istanbul, Turkey**
Demo Portfolio Management **October 2022 - January 2023**

- Utilized Ak Yatirim's trading platform to explore financial assets and recent trading technologies; created and managed a portfolio, trading both domestic and foreign assets on demo account
- Developed a diversified portfolio with a focus on technology stocks while minimizing risk through sector diversification, achieving an 8% return on investments

EXTRACURRICULAR

Sabanci University **Istanbul, Turkey**
Education Volunteer, Civic Involvement Project **October 2020 - January 2021**

- Volunteered to diversify audiobooks for visually impaired children; attended weekly meetings on social issues

ADDITIONAL INFORMATION

Languages: Turkish (native), French (basic)

Interests: Swimming, hiking, literature, history, traveling