

Tan Aydemir

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EDUCATION

Boston University, Boston, MA.

Expected May 2025

Bachelor of Arts in Computer Science

Minor: Business Administration and Management

GPA: 3.82

Awards: Presidential Scholar (**Boston University**), Intel Recognition Award, Dean's List (7 consecutive semesters)

Activities: Kilachand Honors College, Upsilon Pi Epsilon (UPE) International Honor Society in Computing

SKILLS

- **Programming Languages:** Python (TensorFlow, PyTorch, scikit-learn), Java, JavaScript, SQL, Golang (Go), C++, HTML
- **Tools:** MySQL, Jupyter, Docker, GitHub, Matplotlib, Seaborn, GitLab, Plotly, Azure DevOps, Postman, RESTful APIs
- **Techniques:** Supervised Learning, Database Management, ETL, Data Visualization, Model Tuning, Distributed Computing

WORK EXPERIENCE

Intel Corporation, Chandler, AZ

May 2024 – August 2024

Software Engineering Intern

- Led internal testing and contributed to the development of a chatbot to connect 3000+ Intel employees with a Large Language Model, saving hours of manual effort, handling 7500+ daily user requests and increasing workplace efficiency by 30%.
- Integrated a feature to handle Intel-specific acronyms to boost AiBot's context-aware outputs and developed documentation to help 300+ new hires quickly access, understand and leverage thousands of complex, frequently deployed acronyms.
- Presented AiBot use cases to 30+ departments, revamping efficiency within teams and supporting smooth integration of tool.

DFDS, Istanbul, Turkey

June 2023 – August 2023

Integration Development Intern

- Automated XML error handling by composing 500+ lines of Java code, enabling 15 department members to quickly troubleshoot errors related to missing, inadequate, or incorrect shipping information, accelerating client responses.
- Coordinated needs of 11 vendors, managing and updating route data in MySQL Server in real-time, including adding, deleting and modifying entries to ensure cargos were accurately assigned to containers and shipped to correct ports.
- Optimized GitHub workflows to ensure a seamless merger with a buyer firm, preparing for future collaboration.

CREAVIT, Zonguldak, Turkey

July 2022 – August 2022

Software Development Intern

- Implemented client-facing solutions for 60+ clients by authoring Python code to conduct keyword searches and text parsing, which automatically routed incoming data to correct departments through Jira, leading to more efficient workload distribution.
- Deployed data transfer protocols and access controls, preventing 7 potential security incidents and improving system security.

PROJECTS

PathFinder AI

October 2024 – December 2024

A machine learning model to evaluate resumes and predict career paths based on experience, education, and skills.

- Engineered and honed a machine learning model in Python, leveraging libraries such as scikit-learn, SentenceTransformer, and Pandas, achieving a 73% accuracy rate in predicting job roles across 24 career categories based on resume attributes.
- Applied hyperparameter optimization via GridSearchCV, improving F1 scores for underrepresented job categories by 15%.

ImageFinder

November 2024 – December 2024

A GUI-based image search application, inspired by Google Image Search

- Designed an image search tool processing 80,000 images, using CLIP Embeddings and PCA to retrieve top 5 results.
- Built a Tkinter GUI allowing users to upload images, input text queries, and adjust query weight to influence search outcomes.

Bond Price Estimator

March 2024 – May 2024

A comprehensive financial algorithms project focused on optimizing bond/stock pricing

- Developed and fine-tuned financial algorithms in Python and C++, utilizing scikit-learn, NumPy, and pandas, producing 900+ lines of code to enhance bond pricing accuracy and create a reliable, data-driven system for investment strategies.
- Applied regression and statistical modeling to identify stock relationships across 7+ firms, boosting forecasting accuracy.

LEADERSHIP EXPERIENCE

Questrom School of Business, Boston University

January 2023 – Present

Intro to Finance Teaching Assistant

- Guided 250+ students over four semesters, leading 15+ review sessions and providing critical support in financial concepts.