

TAN CETINER

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EDUCATION

Institut Polytechnique de Paris - Paris, France 2023 - Present

- Master of Science in **Computer Science**. Expected graduation: September 2025
- M2 in **Parallel and Distributed Systems** track
- M1 in **Computer Science - Interaction, Graphics & Design** track

Sabanci University - Istanbul, Turkey 2018 - 2023

- Bachelor of Science in **Computer Science and Engineering**. Minor in **Philosophy**
- GPA **3.62/4.00**

University of Turku - Turku, Finland 2022

- One semester of study through the Erasmus mobility program

EXPERIENCE

Freelance / Full-stack Developer September 2023 - Present

- Creating tailored web solutions with **PHP Laravel**, **Livewire** and **PostgreSQL**.

Yapi Kredi Teknoloji / Software Engineer August 2022 - September 2023

- Developed full-stack microservice web apps with **Java Spring** and **React.js**; resigned to pursue postgraduate studies.

Yapi Kredi Teknoloji / Software Engineer Intern June 2022 – August 2022

- Contributed to a machine learning model predicting real estate prices using **Python**, processing over 200K dataset rows.

Sabanci University / Learning Assistant September 2019 – June 2021

- Introduced peers to the fundamentals of programming with **C++** and **Python** for CS201 and IF100 courses.

Nokia / Engineering Intern February 2021

- Studied 5G technologies and applications with a team of five for two weeks, then delivered a presentation.

KEY PROJECTS

GPAC Project / Research Project  2024 Spring

- Developed a web-based visualization tool for filter graphs in the GPAC framework using **TypeScript**.

Parallel Computing / Course  2023 Spring

- Evaluated ChatGPT's capabilities in detecting and classifying performance-related bugs in **C++**, **OpenMP**, and **CUDA**.

PURE / Research Project 2023 Spring

- Developed algorithms for handwritten text recognition via object detection in century-old documents using **Pytorch**.

Blockchain: Security and Applications / Course  2022 Fall

- Created a verifiable & anonymous forum for students using blockchain technologies, built with **Solidity** and **React.js**.

Computer Graphics / Course  2021 Fall

- Created a playable 3D game in **C++** with **OpenGL**, implementing lighting, shading, texture mapping, and camera controls.

VOLUNTEER ROLES

Istanbul Chamber of Industry Foundation / Mentor 2023 - Present

- Mentoring two university students in their pursuit of engineering careers.

Sabanci University Theater Community / Chairman 2020 - 2021

- Coordinated more than 30 rehearsals, directed 2 radio dramas, conducted 3 interviews with theater actors, etc

Sabanci University (Civic Involvement Project) / Theater Director & Actor 2020

- Arranged a 5-day tour with a theater play for kids, performed to over 2000 kids who have no access to theater in their region.