

## EDUCATION

### Politecnico di Torino

Bachelor's of Science, Computer Engineering

Turin, Italy

2023 - Present

### 42 Istanbul

Student, Computer Science

Istanbul, Turkey

2021 - 2023

## PROJECTS

### Camagru

[GitHub](#)

A full-stack web application for posting images with stickers.

**Used Technologies:** Javascript, HTML, CSS, PHP, MySQL, NGINX, Docker

- Implemented a router from scratch in order to understand more about how single page applications work.
- Learned about transpilers like Babel in order to make the website work in very old browsers like Firefox v41 and Chrome v46.
- Managed the database without using any ORM. This made me understand more about SQL in general.
- Used an external API to forward email verification code in PHP using cURL.

### ft\_transcendence

[GitHub](#)

A full-stack web application for playing Pong against other people online.

**Used Technologies:** NestJS, Typescript, PostgreSQL, Prisma, React, HTML, CSS, Docker

- Used WebSockets in chat rooms, game rooms and homepage (for displaying the status of users) to establish the connection between server and clients.
- Implemented the OAuth system of my school in the login page to automatically fill the user's profile.
- Used Canvas API in Javascript to render the Pong game in browsers.
- Implemented a session system using "express-session" to handle the authentication.

### minishell

[GitHub](#)

A minimal shell program based on bash.

**Used Technologies:** C

- Implemented a splitter to split the input into strings.
- Implemented a lexer and a parser to separate strings into meaningful tokens and create command blocks.
- Used forks to execute commands in different processes.
- Learned about how pipes transfer data between file descriptors.

## SKILLS

- C, C++, Javascript, Typescript, HTML, CSS, MySQL, PostgreSQL
- Git, Docker, NGINX, Node, Vim
- NestJS, Astro, GMS 2

## LANGUAGES

- Turkish (Native)
- English (C1 - IELTS 8.0)