



ERHAN TEZCAN

FULL-STACK WEB3 DEVELOPER

I build & engineer computer software; driven by a thirst for knowledge and with respect to style, standards, security, and scalability.

INFORMATION

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github [erhant](https://github.com/erhant)
birthdate 21 Nov. 1996
scholar [erhantezcan](https://scholar.google.com/citations?user=erhantezcan)

LANGUAGES

Turkish **Native**
English **Advanced**

SKILLS

- TypeScript & JavaScript
- NextJS & ReactJS
- Solidity
- NodeJS & Express
- PostgreSQL & Prisma
- HTML & SASS
- Python
- Git & GitHub
- Jira & Asana
- C & CUDA C++
- AWS EC2 & AWS S3
- LaTeX & Markdown

HOBBIES

- Mathematics
- Cryptography
- Music Curation
- Electric & Bass Guitar
- Creative Coding
- Running

WORK EXPERIENCE

MACERITA

Self-employed Full-stack Developer

I am currently building the frontend & backend using TypeScript, NextJS, Express, and PostgreSQL.

Istanbul, Turkey

Mar. 2022 - present

KOÇ UNIVERSITY

Full-time Graduate Research & Teaching Assistant

As a member of ParCoreLab under the advisory of Dr. Didem Unat, I researched SpMV optimizations on NVIDIA GPUs using mixed-precision techniques. The work was partly supported by the SparCity project. Used CUDA C++, Python and Slurm. As a teaching assistant, I have conducted problem sessions and prepared material for Parallel Programming, Programming Language Concepts, and Senior Project.

Istanbul, Turkey

Sep. 2019 - Feb. 2022

SOCIABLE, INC.

Full-time Backend Developer

I have implemented additional modules in a NodeJS express backend, with external API usages and unit tests. Used JavaScript and MongoDB.

Istanbul, Turkey

Jul. 2018 - Sep. 2018

ATA TECHNOLOGY PLATFORMS (A.T.P.)

Part-time Software Specialist

I worked under CRM-department with partial support to IoT department. Used C# and T-SQL.

Istanbul, Turkey

Sep. 2016 - Apr. 2017

EDUCATION

KOÇ UNIVERSITY

M.Sc. Computer Science & Engineering

Graduated with High Honors, 3.93 / 4.00 GPA

M.Sc. Thesis Title: Exploring Mixed and Multi-Precision SpMV for GPUs

Istanbul, Turkey

Sep. 2019 - Feb. 2022

WARSAW UNIVERSITY OF TECHNOLOGY

Erasmus+ Exchange Computer Engineering

Warsaw, Poland

Feb. 2018 - Jun. 2018

YILDIZ TECHNICAL UNIVERSITY

B.Sc. Computer Engineering

Graduated with High Honors, 3.54 / 4.00 GPA

Istanbul, Turkey

Sep. 2014 - Feb. 2019

PROJECTS

Homepage

My homepage erhant.me, made with NextJS + TS, and MantineUI.

Blockchattin

A decentralized chatting application, made with NextJS + TS, Solidity.

Hashgraph

Hedera Hashgraph implementation made in Go language.

SpotiStuff

A collection of tools made with Spotify Web API, NextJS + TS.

Flashysort

My own sorting algorithm, similar to Flashsort; made in C++.

Profile Matching

ML-powered profile matcher among Twitter and Facebook, in Python.

Exploring Mixed and Multi-Precision SPMV for GPUs

Using 32 and 64-bit precision together to improve sparse matrix-vector multiplication on NVIDIA GPUs, with evaluations under iterative solver methods. Used C, CUDA C++, Python, and SLURM.

for more of my projects, please see erhant.me/projects