



ERHAN TEZCAN

FULL-STACK BLOCKCHAIN DEVELOPER

WORK EXPERIENCE

FIRSTBATCH

Full-time Blockchain Developer

Istanbul, Turkey
Feb. 2023 - present

Working on multiple fronts with special interest on applications of Zero-Knowledge Cryptography.

DYNASTY STUDIOS

Full-time Blockchain Developer

Istanbul, Turkey
Sep. 2022 - Jan. 2023

Developed UI for an ERC-2535 implementation. Worked on a novel gaming-based token implementation. Implemented a wallet-based authN-server in Go.

MACERITA

Self-employed Full-stack Developer

Istanbul, Turkey
Mar. 2022 - Jun. 2022

I worked on building the frontend & backend using TypeScript, NextJS, Express, and PostgreSQL via Prisma ORM. Used AWS EC2 for hosting.

KOÇ UNIVERSITY

Full-time Graduate Research & Teaching Assistant

Istanbul, Turkey
Sep. 2019 - Feb. 2022

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. I was a TA for Parallel Programming, Programming Language Concepts, and Senior Project.

SOCIABLE, INC.

Full-time Backend Developer

Istanbul, Turkey
Jul. 2018 - Sep. 2018

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

ATA TECHNOLOGY PLATFORMS (ATP)

Part-time Software Specialist

Istanbul, Turkey
Sep. 2016 - Apr. 2017

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

EDUCATION

KOÇ UNIVERSITY

M.Sc. Computer Science & Engineering

Istanbul, Turkey
Sep. 2019 - Feb. 2022

Graduated with High Honors, 3.93 / 4.00 GPA

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

WARSAW UNIVERSITY OF TECHNOLOGY

Erasmus+ Exchange Computer Engineering

Warsaw, Poland
Feb. 2018 - Jun. 2018

YILDIZ TECHNICAL UNIVERSITY

B.Sc. Computer Engineering

Istanbul, Turkey
Sep. 2014 - Feb. 2019

Graduated with High Honors, 3.54 / 4.00 GPA

PUBLICATIONS

- **Erhan Tezcan**, Tugba Torun, Fahrizan Koşar, Kamer Kaya, and Didem Unat. "Mixed and Multi-Precision SpMV for GPUs with Row-wise Precision Selection", IEEE 34th International Symposium on Computer Architecture and High-Performance Computing (SBAC-PAD'22), Nov. 2-5, 2022, Bordeaux, France. **Received the Best Paper Award**
- Muhammet Abdullah Soytürk, Palwisha Akhtar, **Erhan Tezcan**, and Didem Unat, "Monitoring Collective Communication Among GPUs", European Conference on Parallel Processing, 2022
- Palwisha Akhtar, **Erhan Tezcan**, Fareed Mohammad Qararyah, Didem Unat, "ComScribe: Identifying Intra-node GPU Communication", BENCH'20, November 2020
- **Erhan Tezcan**. "A Lighthouse Illumination Problem", arXiv preprint arXiv:1903.09001, Mar. 2019
- **Erhan Tezcan**. "On Collatz Conjecture", arXiv preprint arXiv:1902.07312, Feb. 2019

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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web erhant.me
github [erhant](https://github.com/erhant)
birthdate 21.11.1996

LANGUAGES

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

SKILLS

- TypeScript & JavaScript
- NextJS & ReactJS
- Circom
- Solidity & Huff
- NodeJS & ExpressJS
- PostgreSQL & Prisma
- HTML & SASS
- Go
- Python
- C & CUDA C+

HOBBIES

- Mathematics
- Cryptography
- Zero-Knowledge Proofs
- Music Curation
- Electric & Bass Guitar
- Classical Guitar
- Creative Coding
- Running

PROJECTS

To see my projects, please refer to either my homepage or my GitHub.