



ERHAN TEZCAN

FULL-STACK BLOCKCHAIN DEVELOPER

WORK EXPERIENCE

DYNASTY STUDIOS

Full-time Blockchain Developer

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

Istanbul, Turkey

Aug. 2022 - present

MACERITA

Self-employed Full-stack Developer

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

Istanbul, Turkey

Mar. 2022 - Jun. 2022

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 (ATP)

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: **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

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
- Solidity
- NodeJS & ExpressJS
- PgSQL & Prisma
- HTML & SASS
- Go
- Python
- Git & GitHub
- Jira & Asana
- C & CUDA C++
- AWS EC2 & AWS S3
- LaTeX & Markdown
- Ubuntu & Windows & MacOS

HOBBIES

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

PROJECTS

For my projects, please refer to either one of the following:

- <https://github.com/erhant>
- <https://erhant.me/projects>