

# Eray Ulutaş

phone: +90 535 546 8283

email: [ulutaseray@gmail.com](mailto:ulutaseray@gmail.com)

blog: [www.eryuluts.name](http://www.eryuluts.name)

[GitHub](#) / [Stack Overflow](#) / [LinkedIn](#)



An analytical and rational person. Have a deep desire to understand things to their roots. Admires to be a systems thinker and solve important problems.

Enjoys poetry, discussions about deep philosophical topics, reading biographies, quality chocolate, and tea.

## Skills

Research Techniques, Technical Writing, Critical Thinking, UML, C4 Model, Test Driven Development, CI/CD, C, C++, Python, Lisp, PLC Programming, Computer Networks, Communication Protocols, Embedded Linux

Also familiar with: Machine Learning, Wolfram Language, MATLAB & Simulink, Computer-Aided Design (CAD), PCB Design

## Engineering Experience

**Bosphorus Industrial Software Solutions**, Apr 2022 - Present, Embedded Software Engineer: Worked on the Linux-based Digital Communication Card software of a Waste Water Management System owned by a world-renowned pump manufacturer. Performed requirements analysis, design, implementation, testing, and maintenance. Managed CI/CD pipelines. Created and maintained system diagrams and technical documentation. Standardized development processes and created development tools. Gave and organized team and company wide trainings. *C/C++, CMake, Python, GTest, ZeroMQ, gRPC, Protocol Buffers, HTTP, Sparkplug/MQTT, TCP/IP, CANopen, MODBUS/TCP, OPC UA, Yocto, RAUC, OTA, U-Boot, Barebox, Bash, PLC Programming, MySQL, InfluxDB, Valgrind, gdb, Clang-Tidy, Wireshark, Microservice Architecture, systemd, Keepalived, ALSA, Sensor Fusion, Distributed Systems, SCADA Systems*

## Education

**Bachelor of Engineering**, *cum laude*, 2021  
Istanbul University, Türkiye

## Certificates and Completed Courses

Course, **Technical Writing**, 2024, Google

Certificate, **Linux debugging, profiling, tracing, and performance analysis**, 2023, Bootlin

Course, **Embracing a Culture of Feedback**, 2022, Udemy