

UGUR AKSAHIN

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LinkedIn: [linkedin.com/in/uguraksahin](https://www.linkedin.com/in/uguraksahin) | GitHub: github.com/UGURAKSAHIN

EDUCATION

Istanbul Kultur University Bachelor of Engineering

Major: Electrical & Electronics Engineering (2015 - 2023), Istanbul, Turkey

Relevant Coursework: Software Engineering, Algorithms, Data Analysis, AI, Operating Systems

EXPERIENCE

ISBAK INC. Data Analysis Intern (2022, Istanbul)

- Automated log analysis with Python, saving 6+ hours/week in debugging
- Analyzed traffic data using ML models, reducing pilot-area congestion by 10%
- Designed robust JUnit test suites, enabling continuous integration and delivery pipelines, leading to a 30% reduction in integration errors and accelerating software development cycles for the project team
- Implemented Agile coding standards, cutting code review times by 15% and doubling release speed
- Developed unit tests that increased code reliability across five different modules within applications, ultimately increasing developer confidence during releases without additional overhead or delays

ASIS AUTOMATION INC. Embedded Systems Intern (2019, Istanbul)

- Enhanced data processing and memory allocation algorithms for embedded systems, resulting in a 20% improvement in the processing speed of critical C modules
- Discovered and rectified 17 critical software defects during quality assurance, preventing potential system
- Streamlined and restructured the internal documentation repository, leading to a 25% improvement
- Championed Agile methodologies across three cross-functional teams, leading to a measured 20%

PROJECTS

PID-Controlled Ball Balancing System (Arduino) 2022 - 2023

- Optimized servo motor performance by conducting comprehensive data analysis and identifying key adjustment parameters, resulting in enhanced precision and a 25% reduction in alignment errors
- Developed an auto-calibration system, reducing setup time by 60 minutes/unit
- Improved dashboard UI with a team; 90% of users reported higher satisfaction and engagement

TECHNICAL SKILLS

Languages & Frameworks: Python, C, C++, C#, Java, JavaScript, HTML/CSS, SQL

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Tools & Platforms: MATLAB, AutoCAD, ASP.NET Core MVC

Concepts: OOP, Embedded Systems, Data Structures, Algorithms, Agile/Scrum, Version Control (Git)

CERTIFICATIONS

- Advanced Test Automation Projera Institute
- C# & ASP.NET Core MVC C & System Programmers Association
- C++ Object-Oriented Programming Udemy
- C Programming Udemy
- English & German Language Courses DILKO English

LANGUAGES

English: Professional Working Proficiency

German: Elementary Proficiency