Sefa Enes ERGIN （金聖甫）

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Objective

Hardworking and adaptive engineer with strong communication skills, a passion for continuous learning, and a proven ability to work collaboratively in team environments. Committed to delivering results, quickly embracing new technologies, and contributing positively to any organization.

Skills

- **Languages & Tools:** Python, JavaScript, Node.js, PyTorch, TensorFlow, Git
- **Web:** Full-Stack Web Development, WordPress, REST APIs, CRUD Applications
- **Data:** Pandas, NumPy, SQL, NoSQL, Data Visualization, Regression Analysis
- **CS Fundamentals:** Object-Oriented Design, Algorithm Complexity (Big-O), Automata Theory, Formal Languages, Logic Design, Microprocessors
- **Security:** Authentication, System & Network Security, Anti-Phishing, Secure Communication
- **Software Engineering:** Software Development Lifecycle, UML, Agile/Scrum
- **Advanced Topics:** Operating Systems, Parallel Programming, Natural Language Processing, Service-Oriented Architecture

Experience

Software Engineer — American Realty Network LLC, Remote (USA)

Aug 2023 – Mar 2025

- Engineered and maintained web platforms for 10+ real estate websites using JavaScript, CSS, and WordPress; integrated regression-based models to predict future rental and sales prices, and visualized property trends to support client decision-making.
- Ensured performance, mobile responsiveness, and security of each site, increasing customer satisfaction and lead retention.

Software Developer — Renault Group (Oyak Renault), Bursa, Türkiye

May 2020 – May 2023

- Developed internal web applications using Node.js and Angular that automated repetitive tasks in purchasing departments, streamlined production tracking, and saved approx. €208,000 within 9 months.
- Collaborated with engineers to identify software requirements and successfully deployed solutions across production units.

Software Technology Instructor — T3 Vakfı, Türkiye

Apr 2021 – Jan 2022

- Taught algorithm logic and C++ programming to middle school students, culminating in group-based mini projects to reinforce learning.

Education

National Sun Yat-sen University, Taiwan — MSc in Computer Science and Engineering

Sep 2024 – Jun 2026 | GPA: 3.63/4.3

- Relevant Coursework: Advanced Machine Learning, UNIX System Programming, Information Visualization, Computer Architectures, Advanced Operating Systems, Technical Writing

National Sun Yat-sen University, Taiwan — Mandarin Language Studies

Sep 2023 – Sep 2024

Bursa Technical University, Türkiye — BSc in Computer Engineering

Sep 2019 – Jun 2023 | GPA: 3.1/4.0

- Relevant Coursework: Algorithms and Programming, Object Oriented Programming, Data Structures, Operating Systems, Computer Networks, Web Programming, Database Management Systems, Software Engineering, Microprocessors, Python Programming, System and Network Security, Automata Theory, Natural Language Processing, Formal Languages, Logic Design, Electronics, Parallel Programming, Data Mining, Service Oriented Architecture, etc.

Projects

- **Rental Price Prediction:** Built a deep learning regression model using TensorFlow and Pandas to estimate U.S. property rental prices based on real estate datasets.
- **Real Estate Visualization:** Created interactive D3.js charts for analyzing property trends by price, size, and location.
- [CRUD Web App Nodejs & RestApi & ExpressJS](#) — **Recommended** ✨
- [Emotion Analysis with Pure python](#) — **Recommended** ✨
- [Bash -wget Scripts](#) — **Recommended** ✨
- [Bank GUI App with Java](#)
- [Excel Tool for Deduplicating Rows](#)
- [2D Game Powered by HTML5 and JS](#)

Certificates

TOCFL B1 (Test of Chinese as a Foreign Language) — Ministry of Education, Taiwan

Jan 2025

Software Technology Instructor Certificate — T3 Vakfı (Türkiye)

Jan 2022

Awards

- **MOE Taiwan Scholarship** — Awarded by Ministry of Education for academic excellence (2024)
- **Huayu Enrichment Scholarship** — Awarded by Ministry of Foreign Affairs for Mandarin study (2023)

Languages

- English — Full Professional Proficiency
- Mandarin — Intermediate (B1)
- Turkish — Native