

Onur Kirman

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EDUCATION

OZYEGIN UNIVERSITY – Istanbul, TURKEY

M.Sc. in Computer Science, GPA: **4.00 / 4.00**

B.Sc. in Computer Science, GPA: **3.55 / 4.00**

Double Major: B.Sc. in Electrical & Electronics Engineering (**Top Ranked**)

Theses:

- Pathloss Image Prediction from Satellite Images with DDPM (M.Sc.)
- Handwritten OCR with Transformers (B.Sc.)

ASIYE AGAOGLU ANATOLIAN HIGH SCHOOL - Istanbul, TURKEY

EXPERIENCE

DEEL – San Francisco, CA (Remote)

Software Engineer – Full Time (05/2025 – Present)

- Build and optimize AWS payroll data pipelines, cutting latency by 30%
- Apply ML for anomaly detection, reducing payroll errors by 15%
- Collaborate with global teams to deliver scalable payroll automation

SAFEGUARD GLOBAL – Austin, TX (Remote)

Jr. Data Engineer – Full Time (09/2023 – 05/2025)

- Developed AWS-based data platform adopted company-wide, improving payroll productivity 10x
- Built full-stack web services for finance, increasing efficiency and profit

FICHENCY INNOVATION – Stavanger, NORWAY (Remote)

ML Project Engineer – Contract (08/2022 – 08/2023)

- Created computer vision datasets for fish health monitoring
- Built wound corpus for generative modeling and knowledge distillation

OZYEGIN UNIVERSITY – Istanbul, TURKEY

Research Assistant – Full Time (06/2021 – 09/2023)

- R&D on Computer Vision appliances of Machine Learning
- Organized/Graded/Lectured courses on, DBMS, Agile Soft. Dev., Data Structures & Algorithms

ARÇELİK GLOBAL – Istanbul, TURKEY

Project Engineer, R&D – Full Time (05/2021 – 10/2021)

- Developed robotic vacuum cleaner software with Python & ROS
- Designed algorithms for specular surface detection in 2D LiDAR scans

PROJECTS

GTN Consolidation Tool (Safeguard Global)

- Built payroll data platform boosting productivity 10x; widely adopted

Handwritten OCR with Transformers (IEEE TUAC 2021)

- Developed novel segmentation method, benchmarked on IAM dataset

SKILLS

Programming & ML: Python, PyTorch, TensorFlow, scikit-learn, Keras, LangChain, FastAPI

Data & Cloud: AWS (Glue, Lambda, DynamoDB, S3), Spark, SQL, ETL

Dev Practices: REST APIs, Git, Agile, CI/CD, Docker, Kubernetes

Languages: English (Fluent – C1), German (Beginner)

Interests: Sailing, Football, Formula 1, and Backpacking