Egemen Erkin Senvardarli

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github.com/p1ckl

Education

University of Houston, BS in Computer Science

Aug 2022 – June 2026
(Expected)

Experience

Undergraduate Researcher, University of Houston, Researcher –

Fall 2024 - Now

- Working on reinforcement learning and finding efficient computing methods for continual reinforcement learning.

Undergraduate Researcher, University of Houston, Researcher –

Fall 2023

- Analyzing and predicting student performance based on their learning styles with clusters made by using K-Means-Clustering.
- Overall had a better result compared to other methods.
- The project was presented at the University of Houston Data Science Showcase.

Backend Developer, Valensas, Intern – Turkey

Jul 2020 – Sept 2020, Jun
2021 - Aug 2021

- Designed and coded a new decision-making system for a crypto trading bot with Kotlin and MySQL databases. I used the data from Binance API
- Created a Python package that automated the creation of new projects. And also automating the synchronizing of company-wide projects in Bitbucket.

Projects

Data Science Showcase at UH

December 2023

- Clustered different learning styles using K-Means-Clustering to predict student performance.
- Overall had better predictions for exam grades.

Custom Neural Network

- Built a neural network model from the ground up to understand it's inner workings.

Web Based User Management

April 2025

- Created a web-based user management and file request web system using Flask.
- Incorporated Microsoft authentication through the Microsoft 365 API, which interacts with Azure and PostgreSQL for secure user login and data storage.
- Implemented a PDF generation system through LaTeX and Makefile.
- Setup Docker environment for containerizing the application.

Technologies

Languages: Python, C++, Java, Kotlin, Javascript

Technologies: Sci-kit Learn, Numpy, Scipy, Requests, Flask, PostgreSQL, SQLAlchemy, Latex, Docker, Makefile, Git