Egemen Erkin Senvardarli

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Education

University of Houston, BS in Computer Science — Aug 2022 – June 2026 (Expected)

- **Coursework:** Computer Architecture, Computational Theory and Automata

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.

Technologies

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

Technologies: Sci-kit Learn, Numpy, Scipy, Requests