Ali İkbal Önal

XR Developer

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Portfolio

Professional Experience

Simnotion Jun 2023 – Present
XR Developer Konya, Turkiye

I worked as an **XR developer** at Simnotion, where I focused on developing **VR** simulations and games. In my projects, I created innovative solutions to enhance users' **virtual reality experiences** and had the opportunity to develop both my technical and creative skills. Additionally, I took on the role of **team leader**, managing a multidisciplinary team to ensure successful project delivery and effective collaboration. My success at Simnotion enabled me to make more of an impact in the **VR world**, and these achievements were crowned with the **BİGGSPOR** Award. This award is a reflection of my contributions and efforts to the projects.

Simnotion - Internships Feb 2023 – Jun 2023
XR Developer Konya, Türkiye

During my internship at **Simnotion**, I acquired valuable experience in **XR technologies** and **VR simulation development**. This opportunity allowed me to deepen my knowledge of project workflows and enhance my skills, significantly boosting my expertise in the industry.

Talisa Mühendislik Jul 2021 – Mar 2022
Backend Developer Konya, Turkiye

I worked at Talisa Engineering Company as a **backend developer** working on image processing technologies. In this role, I focused on creating efficient solutions by **optimizing** the technical processes behind the projects.

Projects

Augmented Reality

An interactive mobile game developed using Unity and Vuforia and powered by **augmented reality technology**. It has a simple and user-friendly interface where users can direct characters on **3D maps**. It demonstrates competencies in **AR** technology and mobile game development.

Portfolio Optimization

I developed **financial portfolio optimization** projects using metaheuristic algorithms, such as Genetic Algorithms and **Particle Swarm Optimization.** By leveraging **MATLAB**, I designed models to optimize the risk-return balance of investment portfolios and created algorithmic solutions. Throughout these processes, I applied innovative approaches to enhance portfolio efficiency and improve risk management. I effectively utilized my strong skills in data analysis and **mathematical modeling** to achieve successful outcomes.

Deep Learning Algorithms

Within the scope of a project combining software and mechanics, I developed a system that can count eggs passing through the conveyor belt using **Python** and artificial intelligence technologies. I trained the **artificial intelligence** model myself by collecting data and improved the accuracy of the system by managing optimization processes. By successfully applying image processing techniques and