Arman Hosseini

About Me

First gained programming experience in middle school by developing hobby projects in Python. Since then, have built a strong foundation in computer science, exploring areas such as operating systems, compiler development, and cloud computing. Currently focused on expanding expertise in networking, operating systems, and C programming.

Experience

Head Teaching Assistant @ Amirkabir University of Technology

Jan 2025 – Jun 2025 (6 month)

Served as Head Teaching Assistant for the Advanced Programming course at Amirkabir University of Technology (AUT). Led the adoption of a document-based approach to teaching Java development, which received excellent feedback from both students and faculty. The initiative resulted in over 700 pages of educational material and assignments covering topics such as the Java programming language, Git, and database management. The complete materials are available here.

.NET Developer @ System Group | همکاران سیستم

Oct 2023 – Jan 2025 (1 year 4 month)

Worked in the Supply Chain Management team at System Group, Iran's leading ERP company. Contributed to the development of a SaaS-based supply chain management solution later adopted by major enterprises, including Refah Chain Stores Co. The service is currently available here.

Education

Amirkabir University of Technology

Bachelor's degree, Computer Science
Sep 2022 – Jun 2026

Important Grades

- **Advance Programming**: 20/20 (A)
- **Principles of Operating Systems**: 18.5/20 (A)
- **Principles of Computer Systems**: 20/20 (A)
- **Computer Networks**: 18/20 (A)

National Organization for Development of Exceptional Talents (Sampad)

High School Diploma, Mathematics
Sep 2016 – Jun 2022

Personal Projects

XV6 Operating System

Xv6 is an educational operating system developed at MIT. I extended its functionality by adding features such as superpage support, copy-on-write `fork`, and the `mmap` system call. This is an ongoing project through which I explore different aspects of operating system design by implementing new components. Each addition presents unique challenges, enhancing my understanding of OS internals. The modified OS, along with my contributions, is available in this repository.

Contact Me

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