Armin DelgosarMaher

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Education

Sharif University of Technology   *Tehran-Iran*

B.Sc in **Computer Engineering** [Transcript]   Sept. 2019 - Present

> GPA: 17.98/20 − 3.77/4 (Overall)
> GPA: 18.88/20 − 3.93/4 (Last 2 years)
>
> *Advisor:* Prof. Hamid Sarbazi-Azad

Research Interests

⋄ Software Engineering   ⋄ SBSE   ⋄ SE4AI

⋄ Empirical Software Engineering   ⋄ AI4SE

Research Experiences

Software Engineering, Data Science   *Tehran,Iran*

ISE LAB - Sharif University of Technology   Winter 2024 - Ongoing

- Advisor: Prof. Abbas Heydarnoori
- Started working on prioritizing user concerns on different applications on app stores like Google Play. Used ML/DL models and methods like Topic Modeling to prioritize and categorize user needs.

Software Engineering, Data Science, Database Design, System Design   *Tehran,Iran*

TESLA LAB - Tabriz University   Summer 2020 - Fall 2020

- Worked on data analysis using native forecast records to estimate events happening with Django framework
- Designed a strong admin dashboard for handling operations and queries on the database
- Crawled weather forecast data and generated useful database with pruning and cleaning algorithms

Work Experiences

Software Engineer   *(Remote) Londen, Uk*

Huma Company   01, 2022 - Present

- Designed a complex component to handle integration with insurance concerning real-time principles
- Covered security challenges extracted from penetration tests, reaching the security reliability of 100 percent
- Scaled various amounts of user data using database sharding and partitioning techniques, improving speeds by 20disk/memory management

Software Engineer   *(Remote) Vancouver,BritishColumbia*

Hengam Company   08, 2022 01, 2023

- Developed a subscription service for Shopify.com using Django, Python
- Developed a membership service for Shopify.com Django, Python
- Got familiar with Kanban Agile methodology

Software Engineer/ Software Engineering Team Lead   *(Tehran, Iran*

Yektanet Company   02, 2022 08, 2022

- Designed Link Promax microservice using Django and DRF to re-use high-ranked reportages existing on the web using data exported from Semrush
- Maintained engineering team staff
- Mentored junior software engineering staff
- Participated in technical interviews
- Designed and led Content microservice
- Maintained Crawl service for crawling publisher websites using Django and Kafka
- Developed WordPress plugin to facilitate advertisement process for Triboon reportage service using PHP

Highlight Courses

Software Engineering (20/20) - 1ˢᵗ Rank，Requirement Engineering (18.2/20) - 3ʳᵈ Rank，System Analysis And Design (19.5/20) - 2ⁿᵈ Rank，Data Structures and Algorithms (19.5/20) - 2ⁿᵈ Rank，Advanced Programming (20/20) - 1ˢᵗ Rank，Database Design (20/20) - 1ˢᵗ Rank，

Highlight Projects

Triboon WordPress Plugin

WordPress Plugin ○   Summer 2021

This plugin is developed in PHP language to facilitate the publishing AD reportages for WordPress publishers and created a useful administrator side to have better management of different reportages with their details and status

Computilers

Compiler Design ○   Summer 2022

We developed an object-oriented compiler using Decaf language(via Python) for Compiler Design course at Sharif University of Technology

P2P

Computer Networks   Spring 2023

Developed and designed a peer-to-peer network for integrating be- tween different peer classes and a handler server for the Computer Net- works course at Sharif University of Technology using Python language

PintOS

Operating Systems   Spring 2022

Designed and Implemented a minimal operating system with few syscalls and scheduling logic and handling filesystem for the Operating System course which is inspired by UCB OS course using C language

Polling Server

Real-Time Systems ○   Fall 2023

Designed and Implemented a simple real-time scheduler and simulator based on Polling server algorithm from Fixed-priority servers

Teaching Experiences

Sharif University of Technology

◇ Advanced Programming	Spring 2022	◇ System Design And Analysis Fall 2023
◇ Database Design	Fall 2021	◇ Software Engineering Fall 2023

Awards and Honors

June. 2019	**Nationwide Universities Entrance Exam**: Ranked 59 among 150k+ participants in Iran's national university entrance exam
June. 2015	**Contest**: Ranked 1'st of state in Moscow Mathematics Tournament

Technical Skills

Programming Languages	Python, C++, C, Java, PHP, LaTeX
Frameworks & Operating Systems	Linux, Git, Django, Flask
Databases	PostgreSQL, SQLite, MongoDB, Redis
Other Technologies	Kubernetes, Docker, RabbitMQ, GraphQL, REST
Languages	Persian (Native), Turkish (Native), English (Proficient)