

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, 2023 - 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 between different peer classes and a handler server for the Computer Networks 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 1st 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)