Saeed **All Gharaee**

MASTER OF COMPUTER SCIENCE · SOFTWARE ENGINEER

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Work Experience

Software Engineer Intern in Future Software and AI Innovations

Böblingen, Germany

MERCEDES-BENZ AG - RESEARCH & DEVELOPMENT

January 2025 - August 2025

- Integrated the large language models (LLMs) and AI agents as proof of concept to the infotainment system using python.
- Developed the Virtual Reality (VR) and Extended Reality (XR) applications for Apple Vison Pro (Swift) and smart glasses.
- Implemented prototype apps for Android Auto (Kotlin) and Apple CarPlay (Swift) and ProtoPie Connect.
- Created product passports for the Manufaktur and AMG, including work on Flexpose integrated to Apple Wallet and Google Wallet.

Software Engineer Working-Student in E-mobility

Stuttgart, Germany

ON YOUR ROUTE GMBH - CHARGINGTIME (IOS/ANDROID)

September 2024 - January 2025

- Design and development of ChargingTime, a platform for EV charging infrastructure.
- Enhanced the software and interaction with mobile and Carplay / Android Auto.

Software Engineer, System Design Engineer, Digital Transformer in Formula Student

Dortmund, Germany

TECHNISCHE UNIVERSITÄT DORTMUND MOTORSPORT TEAM, GETRACING DORTMUND E.V. - [RACETRACER ON GITHUB]

April 2024 - Present

- Developed RaceTracer, a full-stack software for testing by integrating real-time data from the vehicle.
- Developed a mobile app aimed for autonomous driving for the first time in Formula Student community.
- Applied digitalization strategies by integrating software tools to meet technical and operational requirements, streamlining the testing process and documentation. RaceTracer is based on ROS, C++, Python, Django, Dart, Flutter.
- Corporate design, Contact with sponsors for financial resources.

Software and Mobile App Developer Working Student

Dorsten, Germany

NETTREK GMBH & CO. KG - GEISMANN (IOS/ANDROID/WEB)

August 2023 - January 2024

- Developed a web application and mobile application for iOS and Android with Flutter.
- Developed software-as-a-service (SaaS) solutions by white labeling and designing architectures.

Software and Mobile App Developer Working Student

Hamm, Germany

FKT42 GMBH - DEKEMA (IOS/ANDROID) | SPARTHEM (IOS) | WHOS THIS (IOS)

December 2022 - July 2023

- Developed iOS/Android/Web apps for industries by applying test driven design in agile teams using Swift/Flutter.
- Developed a custom iPad app for Lufthansa as part of an internal enterprise solution.
- Communicated with clients, regarding technical topics to reach clear understanding of requirements.

Software Engineer

Australia (Remote)

ENGENESIS

Summer Semester 2022

- Developed Engenesis Connect a messanger for startups for iOS and Android. [Appstore] [Playsotre]

Software Engineer

Tus, Persia

RADAR TECHNOLOGY

May 2021 - March 2022

- Designed and implemented a pet navigation and tracking system with real-time GPS monitoring. Pet Tracker (iOS/Android/Web)
- Integrated the tracking system into a mobile app for iOS/Android/Web, offering seamless location tracking and notifications.

Startup Cofounder, Software Engineer - UI & UX Designer

Persia

MAGIC FLASHCARDS SERIES - APPS (ANDROID)

June 2020 - October 2022

- Founded a startup, gained experience entrepreneurship and the business model development.
- Enhanced English E-learning for children during COVID 19 and supported free education.
- Gamification of the learning process by developing impactful 8 Mobile apps using HCI and HMI methods.

Intern iOS App Developer - Swift Developer

Tus, Persia

PART SOFTWARE GROUP

Summer Semester 2020

- Developed apps with SwiftUI, Swift and UIKit.

Mobile App Developer - Research and development - UI & UX Designer

Tus, Persia

WHITE DESIGNERS CO

Summer Semester 2019

- Developed apps with the newly released Flutter/ Dart framework by converting the Kotlin app to Flutter, pioneering in Persia.

Education

Master of Digital Transformation (M.Sc in Computer Science)   *Dortmund, Germany*

Fachhochschule Dortmund   *2022 - 2025*

- **GPA** (so far): 1.6
- **Selected courses:** Software Engineering Project, Digital Systems, VR/AR applications, Usability Engineering, AR/VR Applications, Innovation Driven Software Engineering, Software-intensive Solutions, Software Architectures, Embedded Systems Lab

Bachelor's in Computer Engineering   *Tus, Persia*

Sadjad University of Technology   *2018 - 2022*

- **Overall GPA:** 1.7 (17.36/20) Ranked 5th, Based on GPA among 196 enrolled Bachelor's Students
- **Relevant courses:** Web programming, Internet of Things, Software Engineering, Programming of mobile systems, Algorithm design, Artificial Inteligence, Electrical and electronic circuits, Database design, Data structures, Advanced programming

Research Projects

The Master Thesis (RaceTracer)   *Dortmund - Germany*

Technische Universität Dortmund, RaceTracer - [Link to GitHub Repository]   *2024*

- Software automation and documentation for embedded systems in a racing car, including data analysis and visualization

The Bachelor's Thesis in Software Engineering - Proof of Concept (PoC)   *Tus - Persia*

Stamina - [read more]   *2022*

- The flutter app of the Corrective Exercise (an AI algorithm) enabling users to fix their postures while doing exercise training
- Google Firebase is in charge of handling users and data as a backend server.

Publications & Conferences

Conference: 12th IEEE International Conference on IDAACS: Technology and Applications   *Dortmund, Germany*

Examining the Impact of Team Dynamics in Agile Project Management Success in Software Development: A
Systematic Literature Review [Link to IEEE Xplore]   *September 2023*

Honors & Awards

Sep 2024 **2nd Place**, of Formula Student France 2024 in GET racing Dortmund Team

Aug. 2024 **1st Place**, ZEISS Real-time Video Processing Award in Formula Student Germany. [Link]

Jul 2024 **3rd Place**, fuel and energy efficiency category in Formula Student East

Jun 2021 **Ranked 5th**, Based on GPA among 196 enrolled Bachelor's Students

Oct 2021 **Qualified**, Magic Cards 2 Ranked at top new apps of 2021 in Myket Android store.

Jan 2019 **Qualified**, top 10 teams in Ferdowsi University of Mashhad programming contest (FCPC 2019)

Jun 2018 **Including 2%**, of the top in National University Mathematics and Physics Entrance Exam

Skills

Infotainment System	Apple CarPlay, Android Auto
Programming	Swift, Dart, C/C++, Kotlin, Python, Django, Javascript, HTML, CSS, Java
Frameworks	Flutter, SwiftUI, UIKit, Jetpack Compose
Swift Technologies	MVVM, MVC, Core Data, Unit testing, XCTest, Rest API, CocoaPods, AppStore Connect.
App Deployment	Appstore connect, Google Play console, Test Flight
Git Hosts	Git, GitHub, GitLab, Bitbucket and Jira Software
Typesetting	Latex, Pages, Microsoft (MS) Office
Development Tools	Visual Studio Code, Xcode, Android Studio, ProtoPie, Figma, AdobeXD, Photoshop, Illustrator
Operating Systems	MacOS, Windows, Linux, Ubuntu
Collaboration Methods	Scrum, Kanban, Agile
Languages	English (Full Professional Proficiency), German (Intermediate) - French (Elementary), Persian (Native)

Soft Skills   ## Hobbies

- Analytical Thinking, Presentation   - Cycling, Sports, Reading,
- Openness, Problem-solving, Team player   - Communication, Workout, Cooking

Voluntary Work

Video & Graphics Playback Volunteer, Athletes Companion   *Ruhr Area, Germany*

Rhine-Ruhr 2025 FISU World University Games   *August 2025*