Saeed **All Gharaee**

COMPUTER SCIENCE · SOFTWARE ENGINEER

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Education

Sadjad University of Technology   *Jalal Al Ahmad St, Mashhad,Iran*

B.S. IN COMPUTER ENGINEERING   *2018 - Present*

Current GPA: 3.64/4 (17.59/20)

Fields of Interests

- **Human–computer interaction**
- **Mobile Computing**
- **Software Engineering**
- **Software Architecture**
- **Design Patterns**
- **Algorithms and Optimization**
- **Platform-based Development**
- **Artificial Intelligence**
- **User Interfaces and User Experience**
- **Security**

Projects

Data Structures (Github Repository)   *C++ Programming Language*

ACADEMIC PROJECT - TEACHING PURPOSES - VIRTUAL EDUCATION   *2020*

- Developed binary search tree, linked list with iterators, array linked list and stack.
- tree traversals (postorder, inorder and preorder) in both recursive and non-recursive approaches.
- Integrated data structures. (e.g. tree with stack)
- Deployed and maintained the code for educational purposes as a teacher assistant in order to improve the quality of virtual education during pandemic.

Discrete Mathematics (Github Repository)   *C++ Programming Language*

ACADEMIC PROJECT   *2019*

- Developed a conclusion system by applying operator overloading to the rules.
- Developed a matrix calculation system for reflective, symmetric and transitive closures.

Advanced Programming   *C++ Programming Language*

ACADEMIC PROJECT   *2019*

- Developed a minesweeper game **(Github Repository**)
- Developed an generic social media project (similar to Instagram), featuring working with files, the ability to create public/private accounts with password encryption, publish posts, follow others, be followed, edit and logout. **(Github Repository)**

Work Experience

Radar technology (website)   *71 Sunrise Ave, Toronto, Canada*

SOFTWARE DEVELOPER AND ENGINEER   *May 2021 - Present*

- Developed mobile application for iOS and Android.**(Pet Tracker)**
- Conducted a research about software architectures and design patterns while providing effective ways to improve the quality of code base.

Magic Cards (More Info)   *Personal Industrial Project*

SOFTWARE DEVELOPER AND ENGINEER - RESEARCHER AND DEVELOPMENT   *Jun 2020 - Present*

- Aimed to teach English to newbie students and children during COVID 19 pandemic.
- Developed a set of applications in order to enhance virtual education quality for teachers and pupils.

Musico (More Info)   *Open Source Project*

SOFTWARE DEVELOPER AND ENGINEER - RESEARCHER AND DEVELOPMENT   *Jan 2020 - Present*

- Aimed to contribute to jailbreak open source community.
- Developed music player with extra access to directories compared to iOS music built-in app.

Part Software Group (More Info)   *Mashhad, Iran*

SOFTWARE DEVELOPER AND ENGINEER - RESEARCHER AND DEVELOPMENT   *Feb 2021 - Mar 2021*

- Developed SwiftUI, Swift and UIKit skills.
- Gained Expertise in using Git source control tools.

White Designer Studio (More Info)   *Mashhad, Iran*
Sᴏғᴛᴡᴀʀᴇ Dᴇᴠᴇʟᴏᴘᴇʀ ᴀɴᴅ Eɴɢɪɴᴇᴇʀ - Rᴇsᴇᴀʀᴄʜᴇʀ ᴀɴᴅ ᴅᴇᴠᴇʟᴏᴘᴍᴇɴᴛ   *Jun 2019 - Sep 2019*
- Gained expertise in team-working.
- Developed "Salema" diet app.

Skills

Programming	C/C++, Swift, Dart, Python, Javascript, Java
Frameworks	Flutter, SwiftUI, UIKit
Web Development	Bootstrap, HTML5, CSS3, JavaScript, Flutter
Databases	SQLite
Git Hosts	GitHub, GitLab, Bitbucket
Typesetting	Latex, Pages, Office Word
Development Tools	Visual Studio Code, Xcode, Android Studio
General Tools	Apple iWork Apps(Pages, Numbers, Keynote), Microsoft Office Apps, Adobe Photoshop,
Operating Systems	MacOS, Windows, Ubuntu
Languages	• Persian (Native) • English (Professional Working Proficiency - IELTS exam to be taken soon) • French (Limited Working Proficiency) • German (Elementary Proficiency), • Arabic (Elementary Proficiency)

Honors & Awards

2018	**Ranked**, top 2% students in national universities entrance exam.	*Iran*
2018	**Ranked**, top 5 students based on GPA.	*Mashhad, Iran*
2019	**1st Place**, Advanced Programming Project. (Instagram Project)	*Mashhad, Iran*
2019	**Qualified**, top 10 teams in Ferdowsi University of Mashhad programming contest (FCPC 2019).	*Mashhad, Iran*
2021	**Qualified**, Magic Cards 2 Ranked at top new apps of 2021 in **Myket android store.**	*Iran*
2021	**Ranked**, top 5% students based on GPA.	*Mashhad, Iran*

Certificates

Swift 4
Cᴇʀᴛɪғɪᴄᴀᴛᴇ ᴏғ Cᴏᴍᴘʟᴇᴛɪᴏɴ   *Dec. 2020*
Gained certificate in Sololearn Website. **(Certificate Link)**

English Teacher Training Course (TTC)
Cᴇʀᴛɪғɪᴄᴀᴛᴇ ᴏғ Cᴏᴍᴘʟᴇᴛɪᴏɴ   *Jul. 2020*
Absorbed abilities of teaching English as a foreign language to the children, teenagers and adults.

C++
Cᴇʀᴛɪғɪᴄᴀᴛᴇ ᴏғ Cᴏᴍᴘʟᴇᴛɪᴏɴ   *Jul. 2018*
Participated in C++ workshop.

ICDL
Cᴇʀᴛɪғɪᴄᴀᴛᴇ ᴏғ Cᴏᴍᴘʟᴇᴛɪᴏɴ   *2012*
Learned to work with Microsoft Office and windows.

Voluntary Work

Exᴘᴇʀɪᴇɴᴄᴇs   *2014 - 2018*
- Volunteered for teaching and nursing disabled children.
- Volunteered for organizing and preparing IT utilities in high-school.