

Contact Information

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Education

2019 - **Master Student** University of Calgary, Calgary, Canada
Current

2018–2019 **Visiting Student** Passau University, Passau, Germany
Awarded the DAAD Scholarship

2013–2017 **Bachelor of Computer Science** Amirkabir University of Technology, Tehran, Iran
Overall GPA: 16.2/20 Total 140 Units

2008–2014 **High School Diploma in Mathematics and Physics:** Kamal High school, Tehran, Iran

Research Interests

Edge/Fog Computing, Internet of Things, Distributed Systems

Research Projects

GoLang, **Amirkabir University IoT Platform**
NodeJs - A scalable docker-based IoT Middleware.

GoLang, **Lights:** IoT Environment Simulator
Python - My B.Sc. Thesis Project.

Teaching Experience

Spring 2018 Advanced Programming (Java) Lab Instructor (selected as top 3 lab instructors of faculty)

Spring 2018 Computer Networks (I) Teaching Assistant

Fall 2017 Data Structures & Algorithms Design Teaching Assistant

Spring 2017 Research Method & Report Writing Teaching Assistant

Technical Skills

Languages Used

Java, Python, JavaScript, Golang, PHP, C, C++, HTML, CSS

Technologies

MongoDB, SQLite, NodeJS, ReactJS, Android, ES6, React-native, Laravel, Redux

Software Packages

Wordpress, Linux, VIM, GIT, \LaTeX

Work Experience

- 2016–Current **Full-Stack Developer at Adanic:** Adanic is a company specialized in banking solutions and softwares.
- 2017–2018 **Research Assistant** Amirkabir University of Technology, Tehran, Iran
Research topic: Fog/Edge Computing
- 2015–2016 **Co-founder and Senior Software Developer at Fandogh Software Group:**
- Founded by my friends and I in 2014 summer
- Admitted to the accelerator of Amirkabir University
- 2014–2016 **Network Administrator at Computer Engineering and IT Department, Amirkabir University of Technology**
- 2014 **Internship at Rapna (Rayan Pardazan Nikro Emertat) Co.:** Junior Android/Java Developer

Academic Projects

- Python **Artificial Intelligence:** Implementation of an intelligent agent in Pac-Man AI competition in AUT.
- PHP,MySQL **Principles of Database Design:** Design & implementation of an online market database .
- JS,MongoDB **Principles of Database Design:** Design & implementation of an IoT platform database.
- Magento **Electronic Commerce:** Design & implementation of an online perfume store.
- OpenSSL **Information & Communication Security:** Simulation of several encryption algorithms.
- Laravel, PHP, JS, HTML **Internet Engineering:** Implementation of a mail server site using web programming languages.
- C **Operating Sys. Design:** Implementation of process migration on xv6 OS.
- Verilog **Computer Architecture:** Simulating cache memory.
- C++ **Data Structure & Algorithms:** Design & Implementation of Huffman compression using BST data structure.
- Java **Advanced Programming:** Implementation of a simple strategic game.
- C **Principles of Computer & Programming:** Implementation of a simple compiler.

Work Projects

Kilid App: Designed as banking payment management application for legal customers The project was designed as banking payment management application for legal customers. In this app, the legal customers (e.g. Companies and Government departments) can create payment request and pay it. This application has been used by Ayandeh Bank and also it will use by Parsian Bank and Shahr Bank since summer 2018.

website: key.ba24.ir

android app: <https://play.google.com/store/apps/details?id=ir.ba24.key>

Chavosh App: The project was designed as official application of Amirkabir university of technology. My contribution was in writing the mobile application. Used nodeJS for mobile client back-end on the react native framework, Json for saving data ,html and CSS property flex for writing responsive mobile client front-end for all platforms and mobix for data architecture.

Guilan University Application: The project was designed as official application of Guilan University. My contribution was in writing the mobile application. Used java for mobile client back-end, Json for saving data ,Retrofit library for http requests and Picasso library for image loading management.

Shahrgard Rasht Application: The project was designed as official application of Municipality of Guilan. My contribution was in writing the mobile application. Used java for mobile client back-end and SQLite for database.

Baziness: An application for save and interact loyal costumers to your business. My contribution was in writing the mobile application. Used java for mobile client back-end , Retrofit library for http requests and Json for saving data.

tikio: The project was designed as a ticket selling website and mobile application. My contribution was in writing the mobile application. Used java for mobile client back-end , Retrofit library for http requests and Json for saving data.
www.tikio.io

Extra-curricular activities

SSC 2015-2016 Elected as the President of Students Scientific Chapter, CEIT Department, Amirkabir University of Technology (Tehran Polytechnic).

References

- Dr. Masoud Sabaei Associate Professor, CEIT Department, Amirkabir University of Technology, sabaei@aut.ac.ir.
- Dr. Mehdi Rasti Assistant Professor, CEIT Department, Amirkabir University of Technology, rasti@aut.ac.ir.
- Dr. Hamidreza Zarandi Associate Professor, CEIT Department, Amirkabir University of Technology, zarandi@aut.ac.ir.
- Ali Hajizade Moghadam CEO, Adanic, Inc., alix@adanic.ir