

AMIRHOSSEIN PASHAEEHIR

ahph1380@gmail.com

GitHub

LinkedIn

EDUCATION

Amirkabir University of Technology

4th Year, BS Degree

Department of Computer Engineering

09/2018-Present

Overall GPA: 18.86/20

Allame Helli 1 High School

Diploma of Theoretical Mathematics and Physics

09/2014-09/2018

RESEARCH EXPERIENCE

Amirkabir University of Technology

Research Assistant

09/2021-Present

- Project : An SLA Aware Cloud-Assisted Edge Computing Real-time scheduler
 - Supervisor : Dr. Mahmoud Momtazpour

PROJECTS

Personal Projects

- Title : Sal June 2021 - Sep 2021
Description : A compiler and VM for Executable Directed Acyclic Graph
- Title : Gerd March 2022 - April 2022
Description : An online multiplayer turn-based game front-end
- Title : My hackerearth problems Jan 2021 - Jul 2021
Description : My problems judges (generator, validator, checker, and solution) in hackerearth.com contests

University Projects

- Title : NUMEX
Description : The pure functional programming language (NUMEX) interpreter, built with Racket
- Title : Search engine
Description : A search engine for retrieving news documents based on users' queries
- Title : Jpotify
Description : A music player with network features and automatic lyrics finder

TEACHING ASSISTANT EXPERIENCE

Data Structures and Algorithms

Fall 2020

Algorithm Design

Spring 2021

Electric and Electronic Circuits

Fall 2021

Programming Languages

Fall 2021

Microprocessor and Assembly

Spring 2022

WORK EXPERIENCE

ICPC team member
Full Stack Developer
Advanced Python Course Writer
C++ Developer

2019 - Present: Amirkabir University of Technology
Aug 2019 - Sep 2020: Quera
Mar 2019 - Aug 2019: Quera
Nov 2018 - Mar 2019: Fanap Soft

HONORS AND AWARDS

- 24th Place (High Honor) at 2021 Moscow ACM-ICPC World Finals 10/2021
 - 45th of International Collegiate Programming Contest, World Finals
- Gold Medal at West Asia Regional ACM-ICPC Contest, 12/2019
 - 6th of West Asia Regional ACM-ICPC Contest
- Silver Medal at West Asia Regional ACM-ICPC Contest, 12/2018
 - 5th of West Asia Regional ACM-ICPC Contest
- National Countrywide University Entrance Exam(aka Konkour), Iran, 2018
 - Rank top 0.1% in among approx. 170,000 participants

RELEVANT COURSES

- **University Major Courses**
Programming Languages, Principles of Cloud Computing, Information Retrieval, Data Mining, Computer Networks, Principles of Computational Intelligence, Theory of Machines and Languages, Research and Technical Presentation

LANGUAGES

Persian (Native Proficiency)
English (Full Professional Proficiency)

SKILLS

- **Programming Languages**
C++, Python, Javascript, C, Java, Haskell, Racket, SQL
- **Frameworks**
Django, React
- **Libraries**
STL, GLPK, ImGUI, Redux, Numpy, Pandas
- **DevOps tools and other**
Docker, Kubernetes, Redis, Git, Bash, L^AT_EX

INTERESTS

Automatic programming, Distributed computing, Parallel programming, Automated reasoning, Algorithms, Functional programming

HOBBIES

Paleontology, Music, Basketball, Board games