

Parsa Assadi | Curriculum Vitae

– Amirkabir university of technology–Department of Electrical Engineering

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Overview

Currently, I am a bachelor student of electrical engineering at Amirkabir university of technology (Tehran Polytechnic). I have completed 4 semester(71 credits out of 144) at this university. When my 5th semester commenced(21st of September), I choosed Computer engineering as a minor; additionally, at the end of this semester I ought to choose my major in electrical engineering and I am going to choose Telecommunication. According to my bachelor program chart, I am in the middle of my bachelor program; thus, some parts of my resume, such as internship(will be availabe in 6th semester), publication and academic projects and some other parts which are associated with research are not as complete as other parts. It mainly stems from the fact that most of these activities would be available throughout the last two semesters.

Education

- **Bachelor of Science** **2016–2021(Expected)**
Amirkabir University of Technology *Tehran-Iran*
 - **Major: Telecommunication Systems** Total GPA: 19.56/20 (up to now) via 71 credits
 - **Minor: Computer Engineering(Artificial Intelligence)** Total GPA: Started this semester
- **High School** **2012–2016**
Hashemi Nejad 1-National Organization for Development of Exceptional Talents(NODET) Mashhad-Iran

Honors

- **Ranked 1st** in Electrical Engineering, among more than 150 students, Amirkabir University of Technology, Tehran, Iran.(up to now)
- **Ranked top 0.2% of 160,000** participants in the national university entrance exam known as Konkoor for B.Sc. degree, 2016.
- **Permitted to study Computer engineering as a minor** (This permission is only awarded to talented students, introduced by the Exceptional Talents Office).
- **Member of Iran's National Elites Foundation** (this membership is only offered to first 500 ranks of university entrance exam
- Accepted in the first rounds of **National Physics Olympiad** and **National Astronomy and Astrophysics Olympiad** in high school.
- **Silver medalist** in provincial swimming competition
- **Exempted** from university entrance exam for M.Sc. program and offered M.Sc. program in **Sharif** University of Technology.
- **Exempted** from university entrance exam for M.Sc. program and offered M.Sc. program in **Amirkabir** University of Technology.

Academic Projects

- Designing and implementation of a billiard simulator for Windows using FLTK framework , Fall 2016. Computer programming course - final project, Dr. A. Jahanshahi
- Designing and implementation of a cross platform messenger app(MacOS, Windows, Ubuntu) based on Nokia Qt(client side) and Django flask(server side), Summer 2018. Advanced sytem programming course - final project, Dr. A.Jahanshahi
- Resizing and scaling images via Bilinear algorithm and Nearest-neighbour interpolation and providing a comparsion of them using Matlab, Summer 2017. Numerical Analysis course project, Dr. A.Jahanshahi
- Designing an automatic homework assessor for computer programming course.It is used monitoring bugs of each student's code, reporting scores and code issues in an output file. Spring 2018. Advanced system programming, Dr. A.Jahanshahi
- Investigating different methods for solving TSP (Traveller Salesman Problem) including Exhaustive search and Nearst neighbour algorithm and providing a comparison of their performance, it was done by Python3 and Pyqt5 and matplotlib framework Fall 2018. Algorithm Design course project, Dr. S.Bourbour

Some Courses

○ Computer Programming	20/20	○ Electronics II	19.5/20
- Ranked 1st		- Ranked 2nd	
○ Electromagnetics	20/20	○ Technical English	19.5/20
- Ranked 1st		- Ranked 1st	
○ Signals and Systems	18.9/20	○ Electric Circuits I	20/20
- Ranked 3rd		- Ranked 1st	
○ Advanced Programming	20/20	○ Electric Circuits II	19.25/20
- Ranked 1st		- Ranked 2nd	
○ Probability & Statistics	20/20	○ Numerical Analysis	20/20
- Ranked 1st		- Ranked 1st	
○ Electrical Machines I	19.75/20	○ Linear Control (Current semester)	
- Ranked 1st		-	
○ Engineering Mathematics	20/20	○ Linear Algebra (Current semester)	
- Ranked 1st		-	
○ Electrical Circuits Lab	19.5/20	○ Computer Architecture & Microprocessors (Current semester)	
- Ranked 1st		-	
○ Electronics Lab I	19.75/20	○ Algorithm Design (Current semester)	
- Ranked 1st		-	
○ Logic Circuits	19.7/20	○ Communication Systems I (Current semester)	
- Ranked 2nd		-	
○ Electronics I	15.5/20		
- Ranked 6th			

Work & Teaching Experience

- Teaching Assistant for **Computer Programming** -Electrical Engineering Department of Amirkabir University of Technology, Fall 2017.
"Instructor: Dr. Jahanshahi
- Teaching Assistant for **Numerical Analysis**-Electrical Engineering Department of Amirkabir University of Technology, Fall 2016.
"Instructor: Dr. Jahanshahi

- Freelancer iOS and watchOS developer
- Teaching high school Mathematics and Physics as tutor, 2016
- Teaching high school Physics olympiad as tutor, 2016

Presentations

- An introduction to image procesisng, Winter 2017.

Computer skills

Programming Languages

- C++ (Expert)
- Python (Expert)
- Swift (Expert)
- Verilog
- L^AT_EX
- HTML5
- CSS3
- Java

Software tools

- Matlab
- Octave
- Xcode
- Clion
- IntelliJ IDEA
- Visual Studio
- HSPICE
- PyCharm
- Adobe Photoshop
- Textstudio
- Webstorm

O.S and General Softwares

- Microsoft Windows
- Linux
- MacOS
- Microsoft Office
- iMovie

Language Skills

- **Persian** Native
- **English** Fluent
 - **IELTS** Score (15 Sep 2018): **7**
 - Reading: 9
 - Listening: 7
 - Speaking: 6.5
 - Writing: 6
- **French** pre intermediate

Hobbies and Interests

- Swimming
- Tennis
- Developing iOS Apps
- Watching Movies
- Solving problems in classical physics
- Surfing Webpages