

Mohammad Amin Heidari Zare



Personal Information:

- Address: 2nd Floor, No. 3, Ekhtesasi St., Purebtehaj St. (Darabad), Tehran, Iran, Postal Code: 19569-35915
- Cell Phone: (+98)-912-4468386
- Tel.: (+98)-21-26108906
- Fax: (+98)- 21-26109344
- Email: Mhaidari_z@yahoo.com
- Date of birth: October 31, 1987

Education:

- Sep. 2011 to present, **Sharif University of Technology**, Tehran, Iran
Master of Science in Electrical Engineering, Digital Electronics
- Sep. 2006 to Sep. 2011, **Sharif University of Technology**, Tehran, Iran
Bachelor of Science in Electrical Engineering, Electronics
- Sep. 2002 to Jun. 2006, **Payam High School**, Tehran, Iran
Pre-university Certificate and High school Diploma

Honors:

- **Ranked 119th** among about 20,000 participants in the **Nationwide University Entrance Exam** for M.Sc. degree, 2011.
- **Ranked 87th** among about 400,000 participants in the **Nationwide University Entrance Exam** for B.Sc. degree, 2006.
- Honorary member of **National Organization of Exceptional Talents**, 2006 to 2010.

Electronics Courses:

- In progress courses:
 - **VLSI**, Prof. Sharifkhani.
 - **Advanced Computer Architecture**, Prof. Movahedin.
 - **Computer Interfacing**, Prof. Movahedin.
- **ASIC/FPGA Chip Design**, Prof. Shabani.
- **Microprocessors I**, Prof. Sanaei.
- **Filters**, Prof. Sadughi
- **Physic Electronics I**, Prof. Etemadi.
- **Machine Language and Architecture**, Prof. Sanaei.
- **Logic Circuits**, Prof. Sadughi.

Extra Taken Courses:

- **Theory of Mechanical Vibrations**, Prof. Jalali.
- **Fundamentals of Economics**, Prof. Nili.

Selected Academic Projects:

- Analysis of **Wing Pitch Controller Circuit in Wind Turbines**, B.Sc. Thesis, Advisor: Prof. Vosughi Vahdat, Summer 2011.
- Design and fabrication of **10W Audio Amplifier** with focus on frequency response and compensation, Advisor: Prof. Haj Sadeghi, Summer 2011.
- Design and fabrication of **LED Lamp Drivers with Switching Power Supply**, Internship in Padide Sanat Sharif Company, Advisor: Prof. Alavi, Summer 2009.
- Design and fabrication of **Line Follower Robot with Remote Control** for smooth carrying of sensitive loads, Padide Sanat Sharif Company, Summer 2010.

Teaching Experiences:

- Teacher Assistant of Physics & Mechanics, Azad University, Rudehen Branch, Sep. 2008 to Jun. 2009.
- Teaching Physics and Mathematics in Payam High School and also as a private tutor for many young high school students, Sep. 2006 to present.

Business Experiences:

- Working as the **Commercial Manager Assistant** in **M.I.T. Company** (A trading company involving import and export of Industrial and Automotive Equipments), Sep. 2006 to Dec. 2010. Handling the whole section of importing Curved Magnets in DC Motors for different customers in Iran was my duty. The career included preparing connection between foreign producers and Iranian customers.
- Passed **KAB** Training Program held by **Industrial management Institute**. (**Know About Business** is a six months program about the opportunities and challenges of **Entrepreneurship** and **Self-employment**.)
- Preparing the **Business Plan** for **LED Touch Panels** in Padide Sanat Sharif Company as the project of KAB Career.
- Preparing many **Proposals** in different fields like BMS, Segway, PIG Inspection, Remote Control Cameras and ... for Padide Sanat Sharif Company.

Skills:

- Language:
 - **Farsi**: Native
 - **English**: Fluent
Graduated from **Iran Language Institute (ILI)**, Aug. 2004
 - **Arabic**: Intermediate
- Computer:
 - **Programming Languages**: Verilog, C++, Assembly (8085, 8086)
 - **CADs and Applications**: Cadence, Quartus II, Modelsim, Altium Designer, OrCAD, CodeVision, MATLAB
 - **General Softwares**: Microsoft Office, Adobe Photoshop

Interests & Hobbies:

- Photography, Traveling, Volleyball, Persian Calligraphy and Poetry (Hafez' Lyrics).