



Emad Etemad (CV)

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EDUCATION

- University of Tehran** Tehran, Iran
 - Master of Business Administration; GPA: 4/4* Sep 2018 – Jan 2021
Marketing and Branding
- University of Tehran** Tehran, Iran
 - Bachelor of Rock Mechanical Engineering/Mining; GPA: 2.66/4* Sep 2012 – Sep 2017
Thesis Subject: "Design and make an electronic device for teaching drilling patterns"
- Allameh-Helli High School** Tehran, Iran
 - Diploma in Mathematics and Physics; GPA: 4/4* 2008 – 2012
National Organization for Development of Exceptional Talents

PROGRAMMING SKILLS

- Python:** NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, SciPy, Familiarity with TensorFlow/PyTorch/Keras/NLTK
- C/C++:** Fundamental Programming, File Handling, String Manipulation, Memory Management, Dynamic Arrays, Sorting and Searching, Command-Line Arguments, Error Handling, Math Operations
- HTML:** HTML Structure, Elements, Images, Forms, Tables, Links and Navigation, Semantic HTML, Attributes, Responsive Design Basics, Embedded Multimedia, Basic SEO Principles
- Latex:** Document Structure, Familiarity with Typesetting Mathematical Equations/Tables and Figures/Bibliographies and Citations
- Java:** android app development, Familiarity with Web Development
- Frameworks/OS:** Windows, Mac, Familiarity with Git, Familiarity with Linux

SOFTWARE SKILLS

- SolidWorks:** Sketch, Advanced Part Modeling, Assemblies, 2D Drawings, Sheet Metal, Materials and Mass Properties, Stress Simulation
- AutoCAD:** 2D and 3D drawings and models, Integration with PCB design
- Adobe:** Express, Photoshop, Premiere
- Prezi:** Creative Creation, Non-Linear Storytelling, Zooming Techniques

SOFT SKILLS

- Fostering Team Collaboration**
- Critical Thinking**
- Applying Psychological Insight**
- Inspiring and Supporting Members**
- Mastering Clear Communication**
- Creating Innovative Solutions**
- Resolving Conflicts Diplomatically**

SELECTED PROJECTS

- **Mars Rover Robot (2010-2011):** A robot designed for exploration and data collection on Mars-like terrain, overcoming challenges in traversing tough terrains and diverse environments such as steep slopes, rocky surfaces, and loose sand.
 - **Role:** Mechanical designer and Programmer
- **Junior Rescue Robot (2011):** A small automatic rescue robot designed to perform specific tasks in a simulated environment, including victim recognition and transportation.
 - **Role:** Mechanical designer and Programmer
- **Real Rescue Robot (2010):** A full-sized rescue robot capable of navigating tough terrains, locating victims, and informing rescuers of their positions in hazardous environments.
 - **Role:** Mechanical designer and Programmer
- **Fighter Robot (2009):** A 70 kg fighter robot was built to compete in fighter robots' competitions.
 - **Role:** Mechanical designer and Programmer
- **Painter Robot (2013-2014):** An intelligent autonomous robot designed to paint building walls, capable of navigating obstacles and applying paint.
 - **Role:** Mechanical and Programming teacher and mentoring a group of students
- **Farmer Robot (2013-2014):** A real-sized robot designed to maintain lawns, patrol areas, and cut grass efficiently.
 - **Role:** Mechanical and Programming teacher and mentoring a group of students
- **Transporter Robot (2014-2015):** A robot that has tasks like a warehouseman.
 - **Role:** Mechanical and Programming teacher and mentoring a group of students
- **Smart Pet Feeder Robot (2016-2017):** An intelligent device that dispenses adjustable amounts of pet food at set intervals, enabling pets to stay home alone during the day.
 - **Role:** Innovation Lead, Mechanical and Programming teacher and mentoring a group of students
- **Smart Air-Purifying Plant Pot (2017-2018):** A fixed plant pot that helps purify indoor air by creating airflow through soil and roots and utilizing activated carbon.
 - **Role:** Innovation Lead, Mechanical and Programming teacher and mentoring a group of students

WORK EXPERIENCE

- **Trading Group** Tehran, Iran
Team Coach and Market Analyst 2020 - Present
 - **Forecasting and anticipating trends in the Forex and Crypto markets:** I predicted trends in the Forex and Cryptocurrency markets. We identified and rigorously evaluated optimal market positions. My role involved analyzing charts, utilizing price action, and employing tested trading strategies.
 - **Assisting traders by offering trading solutions and signals:** I used my Marketing and Branding skills to attract traders, encouraging them to invest in our services and achieve financial success.
- **Parvazesh Club** Tehran, Iran
CEO, Team Coach and Teacher Sep 2018 - Apr 2020
 - **Innovative Planner:** I engaged in strategic planning and curriculum development, creating courses tailored for schools and students.
 - **Educational Workshop Coordinator:** I organize impactful workshops and classes in schools, build and maintain connections with schools, coach teachers, and lead a dynamic team.

- **Allameh-Helli and Salam High schools** Tehran, Iran
Part-time Robotic Teacher *Jan 2013 - Oct 2019*
 - **Robotics and Mechanical Design Instructor:** Instructing students in the fundamentals of constructing and programming robots, while also providing education in mechanical design. Additionally, overseeing the process of building the robot body using mechanical software such as SolidWorks.
- **Allameh-Helli High school** Tehran, Iran
Part-time Physics Teacher *2014 - 2016*
 - **Teaching Assistant:** Held problem-solving sessions for high school students.
 - **Physics Club:** Taught physics principles and courses through engaging and enjoyable experiments.

SELECTED AWARDS & HONORS

- **First place** of RoboCup international competition in junior rescue league (RoboCup competition is the most prestigious robotics competition in the world.), Istanbul, Turkey 2011
- **First place** of IranOpen international robotic competition in junior rescue league (IranOpen is the most competitive robotics competition in our country.), Tehran, Iran 2011
- **1st and 2nd place awards** Sharif University's robotics competition in the advanced line follower robot league, Tehran, Iran 2015
- **Second place** of Kharazmi (national competition) in senior rescue league (real rescue), Tehran, Iran
 We participated in this competition as a junior team (we were high school students), and other teams were senior teams from universities that had much more budget and facilities than us. The referees were really surprised by our robot performance. 2010
- **Silver medal** for the painter robot in iENA competition (The international trade fair for ideas, Inventions, and new products), Nuremberg, Germany 2013
- **Special award** for the painter robot from RH ISTC (Russian House for international scientific and technological cooperation) Geneva, Switzerland 2013
- **Two silver medals** for painter robot and farmer robot in Geneva inventions competition (The International Exhibition of Inventions of Geneva is under the patronage of the Swiss Federal Government, the World Intellectual Property Organization (WIPO), and International Federation of Inventors Associations), Geneva, Switzerland 2014
- **Thailand special award** for best international invention from NRCT, for the farmer robot (The National Research Council of Thailand) Geneva, Switzerland 2014
- **Two silver medals** for farmer robot in ARCA competition (The International Fair on Innovation in Agriculture) ,Biograd na Moru, Croatia 2014
- **Ranked under 200** among 350,000 participants in National Universities Entrance Exam for master (NOET) 2018
- **Ranked under 100** among 500,000 participants in National Organization for Development of Exceptional Talents Entrance Exam (NODET) 2005, 2008

Language Tests

- **TOEFL iBT:** Total 85 (Reading 23, Listening 26, Writing 21, Speaking 15/Recording device problem)
- **GRE:** Quantitative Reasoning: 168, Verbal Reasoning: 141