



## Amir Mohammad Ravanbod

### Mechanic engineer

Dob: 27/1/1999  
Marital Status: Single  
Military Service: Educational Exempt

### About

I'm very interested in researching the opposite topics. It is very interesting for me to study the topics and find solutions to the engineering challenges. I'm crazy about working in research and development units. Analyzing and optimizing drone fluids is a fascinating activity for me. I experienced working via design software such as SolidWorks and AutoCAD. I have also worked with analytical software such as Ansys and Open Foam.



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Nazarabad, Alborz, Iran

### Skills

SOLIDWORKS



AutoCAD



Profil



C++ Programming



techniques of negotiation



ANSYS Fluent



### Education

#### Bachelor Mechanical engineering

Fluids analyze  
Institute/University: Zanjan university  
Zanjan, Iran  
2018  
GPA: B+

#### Diploma Math

Math  
Institute/University: Shams Talented High School  
Nazarabad, Alborz, Iran  
GPA: A+

### Work Experience

#### RTD Expert

Tozin Tavan Sanjesh  
Karaj, Alborz, Iran  
From January 2021

##### Tasks and Achievements :

- Replacing the slider blades and changing the method of sharpening the blade
- Sausage system on
- Construction and design of antistatic box
- Analysis and optimization of the device (Soldering Wave)
- Changes in adhesives and labels of glass structure with anti-polycarbonate
- UV rays
- Optimization and error reduction in the load cell structure
- Reverse engineering and load cell construction for the first time in Iran

#### Aerospace teacher/Uav designer

Roboglyder  
Tehran, Iran  
From January 2016

##### Tasks and Achievements :

- Winning the first title of the National Aerospace Competition of Amirkabir University of Tehran

### Certificates

#### ielts

Institute : Afarinesh IELTS House  
June 2019

#### pre- ielts course

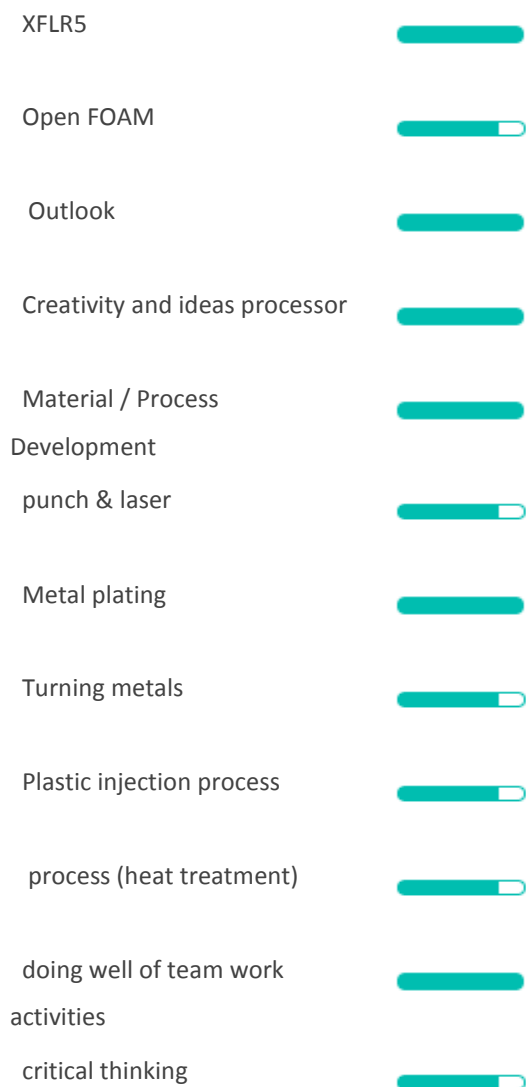
Institute : DAY Language Center  
July 2018

#### Iranian Association of Top Inventors

Institute : IRIT  
August 2019

#### Critical thinking

Institute : LINKDIN



## Social Network

 amirmohamad\_ravanbod

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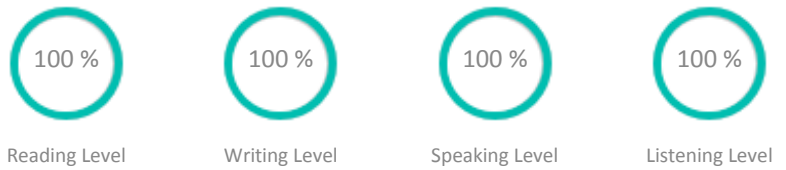
March 2020

**wipo**

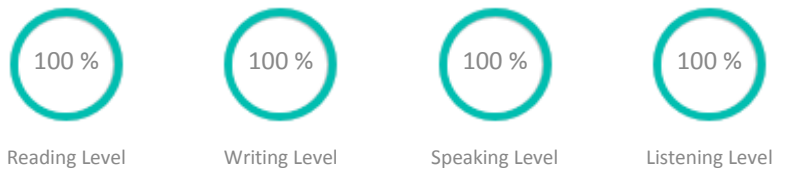
Institute : wipo  
January 2018

## Languages

### English



### Persian



## Research

**Hybrid\_electric fuel cells battery system for Uavs**

June 2019

**Conceptual design of multi-capacity load cell**

May 2021

## Projects

**Replacing the slider blades and changing the method of sharpening the blade Sausage system on**

For : mahak company  
November 2020

**Construction and design of antistatic box**

For : mahak company  
January 2020

**Analysis and optimization of the device (Soldering Wave)**

For : mahak company  
February 2021

**Reverse engineering and load cell construction for the first time in Iran**

For : mahak company  
March 2021

**Optimization and error reduction in the load cell structure**

For : mahak company  
December 2019

**Design polyhedral glider**

For : Sharif university aerospace competitions  
April 2016

## Achievements

**World Champion in Croatia Online Inventions Competition**

February 2019

**Referee of Amirkabir University of Tehran Competitions for Innovations and Inventions**

June 2018

● **Winning the title of the best and most successful young man in Alborz province for three consecutive years All the youth of Alborz province**

April 2018

● **Inventor of the first method of teaching specialized aerospace courses to MDT method in the country**

July 2016

● **Obtaining a license to participate in the International Competition of Inventions in Korea South, as the elected representative of Iranian inventors**

November 2018

● **Third place in Iranian UAV competitions in Iran Aerospace Research Institute**

September 2019

● **First place in the aerospace competitions of the Iranian Capital Cup**

June 2018

● **First place in Ibn Sina Inventions Competition**

August 2018

● **Second place in Khajeh Nasir National Aerospace Competition**

July 2017