



# Iman Esfandiyar

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**Gender:** Male **Date of birth:** 31/12/1992 **Nationality:** Iranian

## ABOUT ME

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I am a dedicated, self-inspired and friendly individual. I like problem solving in the form of engineering challenges. I work well in a group as well as on my own. I am very willing to learn and develop new skills on daily basis. As I have a creative mind, I would like to work on new challenges. I am well organized and think ahead to make sure I manage my projects and time.

## EDUCATION AND TRAINING

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[ 15/02/2018 – 30/06/2020 ] **Master's degree**

**Poznan University of technology, Poland** <https://www.put.poznan.pl/>

**Address:** Plac Marii Skłodowskiej-Curie 5, 60-965, Poznań, Poland

**Field(s) of study:** Automatic Control and Robotics, specialization Smart Aerospace and Autonomous Systems

**Final grade:** 4.29

**Type of credits:** ECTS **Number of credits:** 90

**Thesis:** 5

**Main subject / occupational skills covered:**  
**Masters Thesis**

Algorithmization of lining up maneuver for automated articulated bus.

Supervisor: dr hab. Inż. Maciej Michałek Prof. of PUT ([maciej.michalek@put.poznan.pl](mailto:maciej.michalek@put.poznan.pl))

[ 10/10/2011 – 15/06/2016 ] **Bachelor's degree**

**Azad University Damavand Branch** <http://damavandiau.ac.ir/>

**Address:** Damavand, Iran

**Field(s) of study:** Mechanical Engineering, Specialization Mechatronics

**Final grade:** 3.96/5

**Number of credits:** 150

## WORK EXPERIENCE

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[ 15/10/2021 – Current ] **University teaching assistant**

***Poznań University of Technology***

**City:** Poznań

**Country:** Poland

**Main activities and responsibilities:**

Conducting information engineering laboratory  
Teaching C++ programming

[ 01/07/2021 – Current ] **Robotic engineer**

***Rogoż Sp. z o.o.***

**City:** Poznan

**Country:** Poland

**Email address:** [i.esfandiyar@rogozpolska.pl](mailto:i.esfandiyar@rogozpolska.pl)

**Main activities and responsibilities:**

- Autonomous drone R&D sub-team leader
- Flight simulation, motion planning, control system developer

[ 01/10/2019 – 30/06/2021 ] **University research assistant**

***Poznań University of Technology***

**City:** Poznań

**Country:** Poland

**Main activities and responsibilities:**

- Design and develop Advanced driver-assistant system for articulated urban buses.
- Develop Sensor fusion, state estimation planning and control algorithms of automatous vehicles
- Developing ROS1 and ROS2 packages, Programming C++ in Linux OS

[ 15/08/2011 – 15/04/2014 ] **Team leader**

***Azad University of Damavand***

**City:** Damavand

**Country:** Iran

**Main activities and responsibilities:**

- Coordinator and technical manager of DML rescue robot research group
- Design and develop of mechanical systems of various mobile robots
- Establishing modular electronic and embedded systems.
- Establishing robotic communication systems.

[ 01/04/2015 – 04/2015 ] **Technical Committee**

***Amirkabir University of Technology***

**City:** Tehran

**Country:** Iran

**Main activities and responsibilities:**

- Technical committee of robotic competitions, Real reuse league, AUT cup

[ 01/08/2017 – 28/02/2018 ] **Workshop coordinator**

***Spadana Co***

**City:** Pardis

**Country:** Iran

**Main activities and responsibilities:**

- Vending machine production line manager
- Mechanical system design

[ 29/02/2012 – 15/07/2017 ] **Mechatronics engineer**

***Azargostar Damavand Co.***

**City:** Rudehen

**Country:** Iran

**Main activities and responsibilities:**

- BMS system design and installation
- Piping systems design
- Security systems installation

## DIGITAL SKILLS

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### Engineering Software

TIA Portal (Beginner) | Solidworks (Excellent) | Matlab and Simulink (Expert) | Autodesk AutoCad (Intermediate)

### General Software

Microsoft office(WordExcel Powerpoint Outlook) | Adobe Creative Suite | Microsoft projects | Work management tools (Trello, Slack)

### Programming Languages

C/C++ OOP (Intermediate) | PLC Ladder Logical Programming (beginner) | Shell Script (Bash) | Python (Intermediate)

### Robotics

Linux OS | Autonomous Vehicles | ROS1/2 | Embedded Systems | Communication Protocols | State estimation | LAN/WAN | SLAM | Machine Design | Sensor Fusion | Mobile Robots | Optimization Methods | Source control GIT | Automation systems

### Programming/Robotic Libraries

QT Creator | GTSAM | CasADi | Autodiff | Modbus | CAN bus | Pigpio

### Soft Skills

Creativity and innovation | Organizational and planning skills | Team Management & Team Work | Problem identifying and problem solving | Critical Thinking

## VOLUNTEERING

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[ 01/05/2016 – 15/07/2016 ] **Cultural exchange program (WorldTalks and KidSpeak)** AIESEC organization, Poznan, Poland, Summer

[ 31/07/2019 – 31/08/2019 ]

**Educational project, Providing English language and creativity classes for student**

Ankizy Gasy foundation , Madagascar

## HONOURS AND AWARDS

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- [ 10/06/2012 ] **Best in class manipulation (1st place) Real rescue robot** Awarding institution: RoboCup, Mexico City, Mexico
- [ 13/03/2016 ] **Distinguished researcher of the year** Awarding institution: Damavand Azad University
- [ 28/03/2015 ] **Best in class manipulation (1st place) Real rescue robot** Awarding institution: IranOpen RoboCup Competitions  
Awarded for 3 years (2012, 2014, 2015)
- [ 28/03/2015 ] **Best in class innovation (1st place) Real rescue robot** Awarding institution: IranOpen RoboCup Competitions
- [ 15/10/2014 ] **1st Place - Real rescue robot league** Awarding institution: Khayam Robotic Competitions , Iran
- [ 15/04/2013 ] **2nd Place - Real rescue robot league** Awarding institution: Roboland Robotic Competitions , Iran

## LANGUAGE SKILLS

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**Mother tongue(s):** Persian

**Other language(s):**

### English

LISTENING C1 READING C2 WRITING B2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

### Polish

LISTENING B1 READING B1 WRITING A2

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

## DRIVING LICENCE

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**Motorbikes:** AM

**Cars:** B1

**Cars:** B

## HOBBIES AND INTERESTS

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### Visual Arts

Photography, Videography and create visual content

### Web Design

WordPress developer

## **Extreme Sports**

Rock Climbing, Highlining, Unicycling