

# İRFAN ÇELİK



## Personal Information

Nationality : Turkey  
Military Status : Completed  
Date of Birth : 17.02.1995  
Marital Status : Single  
Driving License : B Class

## Contact

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## Languages

Turkish (Native)  
English (Advance)

## Interest

Paragliding  
Travelling  
Camping

## Experience

### TURKISH AEROSPACE

**Automation Engineer**, Assembly Manufacturing Department  
10.2018 - Present, ANKARA

- Finding automation solutions for aircraft manufacturing.
- Responsible to development of manufacturing, integration, and test processes and procedures. Many technical specifications and following CDR, PDR, PAT and FAT processes are experienced.
- Responsible to assembly aircraft aluminum fuselage panels and movable composite parts of wind. Preparing NC programs with simulation and analysis (offline programming) to drilling robots or automatic riveting machines.
- Point cloud data of fasteners created in some airbus projects from Airbus drawings. In this way I am familiar with many fastener's specifications.
- Creating tooling design for parts of aircrafts.
- I have the experience of installing a painting robot that applies topcoat and primary paints from a single line.
- Experience about online programming with Fanuc (paint robot), ABB (polishing robot), and KUKA (cutting robot) robots.
- Have knowledge about defining database parameters on automatic riveting machines and Drilling Robots. Scale system parameter optimized when necessary. In addition, appropriate cutter and drilling parameters defined to different stack-ups.
- Have knowledge about geometric dimensioning and tolerance.
- Prepared manufacturing layout with CATIA Kinematics.

### Kucukpazarli Aerospace

**Internship**, Production and Assembly Department  
06.2015 – 07.2015, ANKARA

- Examine the workings and varieties of CNC workbenches
- To see and examine the manufacturing process in place

### Gulermak Heavy Ind. Cons & Cont. Co. Inc.

**Internship**, Quality Control and Production  
07.2016 - 08.2016, ANKARA

- Theoretical knowledge about welding and working on quality control methods (NDT)

## Computer Skills

Catia- G. Shape Design	<div><div></div></div>
Catia-Part Design	<div><div></div></div>
Catia-Advancing Machining	<div><div></div></div>
Catia-DMU Kinematics	<div><div></div></div>
NX	<div><div></div></div>
OLPS	<div><div></div></div>
VNC	<div><div></div></div>
RobotStudio	<div><div></div></div>
Python	<div><div></div></div>
Teamcenter	<div><div></div></div>
MS Office	<div><div></div></div>

## References

### **Mehmet Arif Adli**

Turkish Aerospace, Gazi University  
Manager

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### **Mert Ergün**

Otokar Automotive and Defence Industry  
R&D Engineer

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### **Enver Engin Başak**

Turkish Aerospace  
Chief Engineer

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## Education

### **(I)GAZI UNIVERSITY / GPA 3.06 of 4.00**

#### **Mechanical Engineering (BEng)**

09.2013 - 01.2018, ANKARA

### **GOLBASI ANATOLIAN HIGH SCHOOL / 82 of 100**

09. 2009 - 06. 2013, ANKARA

## Projects

- Boeing 787 Elevator - Fanuc Paint Robot
- Airbus 220(Bombardier C series) Canopy – Broetje ARM
- Airbus A400M FCF and RF Panels - Gemcor ARM
- Airbus A320 Sec18-19 Shells - Broetje ARM
- Boeing 787 HLE - ABB Polishing Robot
- Airbus A350 -1000 Aileron Race Drilling Robot
- Airbus A320 Sec18-Sec19 Mate
- Boeing 737 Elevator - Drilling Robot
- Airbus A320 Sec18 Shells - Sealant Robot

## Certifications

- Advance 3D Modelling and Design on Catia (İki Teknik Bilişim- 11.2017)
- OLPS Offline Programming (Broetje Automation - 03.2021)