

# Tolga Yasar YILMAZ

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1765. CADDE NO:6 B BLOK 46

ETIMESGUT / ANKARA

TURKEY



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## EDUCATION

### M.Sc.

**Chalmers Institute Of Technology**, Gothenburg, SWEDEN  
Industrial Design Engineering, 09/2010

#### Course Modules:

- Visual Brand Identity
- Cognitive Ergonomics
- Advanced Form Design
- Computer Aided Industrial Design ( Alias Design Suit)
- Advanced Sketching
- Vehicle and Traffic Safety
- Materials Selection and Design
- Human Factors and Ergonomics
- Industrial Design Theory and Methodology
- Project Management
- Business Marketing and Purchasing

### B.Sc.

**Middle East Technical University**, Ankara, TURKEY  
Industrial Design, 09/2003-02/2009

**Graduation Project:** My graduation project focused on the design of an innovative Automated External Defibrillator (AED), intended for public use to prevent cardiac-related deaths. The AED device checks a patient's heart rhythm and gives electro-stimulation if required. The availability of this device in public places such as malls, airports and schools could help decrease or avoid cardiac problems and fatalities.

**Politecnico Di Torino**, Turin, ITALY (Exchange Student Program)  
Industrial Product Design, 08/2007- 02/2008

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**COMPUTER  
SKILLS****2D Software**

Corel Draw, Adobe Photoshop, Adobe Illustrator, Autodesk AutoCad, Autodesk SketchbookPro & Sketchbook Designer

**3D Modelling**

Desault Catia V5 and V6 Platforms, Siemens NX8, Autodesk 3dsMax, McNeel Rhinoceros, Autodesk Alias Design, Vray Studio, Keyshot Renderer

**CERTIFICATES**

- Human Factors Engineering Short Course (2016)  
UNIVERSITY OF MICHIGAN / USA
- SIEMENS TECNOMATIX JACK Human Modelling and Simulation Tool
- DASSAULT Enovia Human Simulation Tool Course
- Project Management Basics Short Course  
ASELSAN A.S / ANKARA
- Advanced Negotiation Skills  
Andy Kovacs / ELC Consultants London-U.K.
- Effective Presentation Techniques  
Andy Kovacs / ELC Consultants London-U.K.
- Effective Human Management Skills  
Dale Carnegie Academy / ANKARA

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**AWARDS****FNSS Mildesign 2015 International land Vehicles Design Competition**

Third State – ALTAR Multi Purpose Armoured Vehicle

**Automotive Component Design Competition 2012**

First State on Renewable Energy & Environment – MODO Car Sharing Platform.

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**LANGUAGES**

Intermediate in written and spoken English

Beginner in Italian

Beginner in Swedish

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**ACTIVITIES**

Skiing, Camping, Rock Climbing, Mountain Bike

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**CHARACTER**

Strong communication, curious, ambitious, positive, energetic, creative

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## PROFESSIONAL EXPERIENCE

### Senior Design Engineer

*FNSS Defence Systems*

**07/2015 - Present**

*(BAE Systems Stakeholder)*

In this role I have gained deeper knowledge of Defence systems, armoured vehicles and human-machine interaction while working on different sized vehicles, e.g. 6x6 and 8x8 APC. My current project involves a new vehicle concept for foreign armed forces, where there are 4 different vehicle variants. These tactical vehicles are designed for all terrain needs.

### Industrial Designer

*ASELSAN A.S.*

**06/2011 - 07/2015**

*(Defence Industry)*

This was my first Defence industry role, wherein I developed many areas of expertise, especially with border security systems, reconnaissance and surveillance networks. Also, the design of Defence system electronic component outer parts for product family visibility and brand identity. Several notable projects included:

- *Remote control gun platforms and missile turrets* – a 30mm Naval Turret Platform called “MUHAFIZ” (from design sketches through to test firing).
- *Naval platform missile turrets*, e.g. Thales LMM missile system.
- *KAPLAN Multipurpose Unmanned Land vehicle* (involving general usage scenarios, mechanical design and also multi-purpose user interface design to factor in the interoperability needs of other country military usage).

### Industrial Design Engineer

*Västtrafik Gothenburg Public Transport Service*

**11/2010 - 05/2011**

I was able to extend my vehicle design knowledge in this subsequent role, where my team designed a new vehicle interior for Volvo Buses, as used by Västtrafik Gothenburg Public Transport Service. Here I contributed ideas and design to improve the bus interior in terms of safety, comfort and environmental friendliness. The end-product was well-received by Västtrafik and Volvo Bus Corporation.

### Industrial Design Engineer

*SAAB Cars*

**09/2010 - 11/2010**

This project required a new dashboard and cluster design for the SAAB Aero 9-3. It was an opportunity to learn from the direct application of Human Engineering and Human Machine Interaction concepts. This provided many insights into ergonomics and task analysis for vehicle use, e.g. how to design an innovative interior that is clear, easy to understand and control, while also minimizing distractions for drivers.

### Industrial Designer & Product Advisor

*ERSA Office Furniture Company - Product Innovation & Design Department*

**08/2008 - 07/2009**

Responsibilities included designing new products and product series in terms of material properties and production techniques. Also the definition of new product line possibilities, according to market research and sales statistics. Other aspects involved the implementation of planning production techniques streamlined for product range in order to achieve a time-efficient and cost-effective production line.

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