Onur Tüfekçioğlu

Senior Fraud Systems Engineer

📱 +90 532 210 55 90
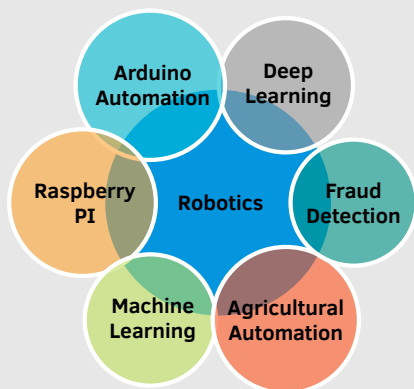
🌐 Bahçelievler-Istanbul-Turkey

✉ tufekciogluonur@gmail.com

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Interests

Programming Skills

- Python • Unix • SQL

- Java • Assembly • C

- OpenCV • MATLAB

Languages

- English (B2)

- German(A1)

Education

2007 - 2016	**MSc. , Computer Eng.**	YTU
2003 - 2007	**BSc. , Business Administration**	Anadolu University
1998 - 2003	**BSc. , Electronics and Communications Eng.** (GPA: 3.06/4.0)	YTU

Experience

Dec 2011 Present — **Senior Revenue Assurance and Fraud Systems Engineer** — Turkcell

- Operating and designing fraud systems of Turkcell and Superonline.
- Transforming rule-based fraud detection systems into ML-based models.
- Supporting and leading more than 15 Finance Users, 30 call center agents, 5 SLA and strict KPI's.
- 3 approved patent.
- Smart Fraud Detection System Design using ML and DL.
- Dynamic and Smart Rule Management System Design using ML.
- Smart Billing Control System Design Using ML and DL.

Sep 2011 Dec 2011 — **Software Quality and Test Automation Engineer** — Ericsson Turkey

- Checking software quality and automating workflows.
- Leading the team of Test Automation Engineers.

Jun 2011 Sep 2011 — **Software Quality and Test Automation Engineer** — IBM Turkey

- Checking software quality and automating workflows.
- Leading the team of software engineers.

Feb 2008 Mar 2011 — **Value Added Services Systems Engineer** — Turk Telekom

- Designing, analyzing, testing and operating value added services.
- Managing more than 200 Vendors and 20 Banks.
- Operating Bulk SMS(Short Message Service), MMS (Multi Media Service), SDP(Service Delivery Platform) and VIP Banking SMS Service.

Projects

Autonomous Robot — **General Purpose Smart Robot**

- General purpose smart robot design.
- Ultrasonic Distance Measurement, Bluetooth Communication, Step Motor Controlling, 16 F877 PIC programming.

Smart Fraud Detection — **Fraud Prevention**

- Using ML and DL methods, increasing fraud detection success rate from 35% to 85%.

Hand Recognition — **Hand Recognition**

- Hand recognition using Matlab.

Smart Solar Panel — **Smart Solar Panel**

- Design smart solar panel system which automatically tracks sun light.