

# FURKAN GOKSEL

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## EDUCATION

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**Middle East Technical University, Ankara**  
Department of Computer Engineering

*2016 - Present*  
CGPA: 3.81

## PROJECTS

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### Process Tracer

The project aims at monitoring and manipulating the system calls made by a Linux Binary. With manipulating option, this project provides researchers to ease fuzzing the system calls of the suspicious file. The project is written in C language.

### AgriLoRa: A Smart Agriculture Framework

This project aims to develop a complete cost-effective Smart Agriculture Solution. In this project, I'm responsible for establishing Wireless Sensor Network using LoRa modules. More specifically, I am trying to add new Ad-Hoc routing protocols for communication between LoRa gateways. We will publish the paper of the research in June 2020.

## TECHNICAL STRENGTHS

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**Simulation** OmNet++  
**Languages** C, C++, Python, Java, MySQL

## WORK EXPERIENCE

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**Secrove Information Security Consulting, Istanbul**  
*Intern*

March 2019 - June 2019

- During my internship, I performed penetration tests for mobile and web applications. Also, I developed Process Tracer here.

**Secrove Information Security Consulting, Istanbul**  
*Part-time Security Researchers*

March 2020 - Present

- Working in one of the company's project and researching new security areas.

## PRESENTATIONS / TALKS

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**A New Approach to Dynamic Analysis: Process Tracer**  
*BSCON 2020*

30 May 2020

- I have made a presentation about system calls, manipulation of them and a analysis tool, that is written by me, Process Tracer.

## REFERENCES

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**Nebi Senol Yilmaz**  
**Asst. Prof. Dr. Pelin Angin**  
**Rahmi Yildiz**

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