FURKAN GÖKSEL

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EDUCATION

Middle East Technical University, Ankara *2016 - Present*
Department of Computer Engineering CGPA: 3.84

PROJECTS

Process Tracer
The project aims at monitoring and manipulating the system calls made by a Linux Process. 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

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

WORK EXPERIENCE

Secrove Information Security Consulting, Istanbul March 2019 - June 2019
Intern

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

Secrove Information Security Consulting, Istanbul March 2020 - Present
Security Researcher

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

Dr. Z. Berkay Çelik, Purdue University July 2020 - Present
Undergraduate Student Researcher

· I was accepted to his research group, and I am doing a research about IoT systems and their security.

PRESENTATIONS / TALKS

A New Approach to Dynamic Analysis: Process Tracer 30 May 2020
BSCon2020

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

AWARDS / HONORS

- GUIDED2020: 2nd Guided Research Symposium 1st place with project AgriLoRa
- ICS & IoT Cyber Security Bootcamp CTF: Blackout 1st place with team KöpükRF