Pieter Fiers

Student Applied Informatics

XXXXXX   pieter@pfiers.net
XXXXXX   pfiers.net
XXXXXX   github.com/ubipo

PASSION

As an informatics student specialising in systems en networks I have a passion for cybersecurity. I like analysing the inner workings of closed systems and hardening the security of my own projects. Even when creating a one-off protocol or a server application I always think about how it could be abused and protected. I'd love to pursue this interest further professionally.

SKILLS

I have experience in hardening modern web applications with server side technologies like Nginx and its WAF, and the security features of web servers like Node.js, Tomcat/Spring and Go-Chi. One of my favourite aspects of informatics is embedded devices and by extension low level network protocols. By designing my own protocols I have gained a deeper understanding of networks and their impact on application security.

EDUCATION

UCLL, Leuven - *Prof. Bach. Applied Informatics*
2018 -

KU Leuven, Leuven - *Industrial engineering*
2017 - 2018

Scheppersinstituut ASO, Mechelen - *Wetenschappen-Wiskunde*
2011 - 2017

EXPERIENCE

Nynox / IS4U (future) - *Student Job* - *nynox.eu*
Future: August 2020
Blue team cybersecurity.

See overleaf

i-Force, Aalst - *Student Job* - *i-force.be*

September 2019

Student job at i-Force, a fraud and digital forensics company. During my time here I created tools to aid in data recovery and processing for servers affected by a cyberattack. I also gained practical experience with Palo Alto Firewall and Kerberos.

NERF (IMEC), Leuven - *Internship*

September 2018

Internship at NERF (Neuro-Electronics Research Flanders) FarrowLab, during which I made "Kinect Mouse Tracker", a computer vision application to track a mouse's position in real-time using depth information.

PROJECTS

Do check out any and all of my projects in greater detail with links to their respective git repositories and/or site on pfiers.net/projects.

Vrijwilligersparaat - *Python, Flask, SQL*

March 2020

Temporary site to coordinate volunteer efforts during the COVID-19 crisis in Belgium.

Andin - *GraphQL, Kotlin, Go, Python, Android, SQL*

December 2019

Prototype system for digital payments at school which I developed as my high school thesis.

Esp Water Meter - *C++, Microcontrollers, Python, OpenCV*

May 2018

Esp Water Meter is a system consisting of an Esp with Arducam and a Python flask server running on a Raspberry pi to process pictures of a water usage meter.

Dorm Controller 9000 - *C++, Microcontrollers*

November 2017

Dorm Controller 9000 is a hobby project that smoothly wakes me up by controlling several relays and an rgb led strip using a custom HTTP server running on a ESP-12E microcontroller.