Projects

Project title: Arduino UPS
Date: 2/2017 - 7/2017
Description: An UPS made of old UPS and Arduino.
Operating system: Embedded (Arduino)
Language: C
IDE: Arduino IDE
Hardware: Arduino UNO, LCD KeyPad Shield
Link: GitHub - Arduino UPS

Project title: Pong
Date: 11/2016 - 12/2016
Description: Network multiplayer game “Pong”.
Operating system: Linux (Arch Linux)
Language: C
Technologies: SDL, sockets
IDE: CodeBlocks
Link: GitHub - Pong

Project title: Keylogger
Date: 8/2017 - 9/2017
Description: Capture input from a keyboard into a text file.
Operating system: Windows
Language: C
IDE: CodeBlocks
Link: GitHub - Keylogger

Project title: Párovačka
Date: Qt: 7/2017 - 8/2017; Python: 7/2018 - 8/2018
Description: A programm that finds couples from a group of people to give each other a gift. First version of the application was written in C++ with Qt. Then it was rewritten into Python with Tkinter.
Operating system: Cross-Platform (Windows/Linux)
Language: C++, Python
Technologies: Qt, Tkinter
IDE: Qt Creator, PyCharm, Visual Studio Code
Links:
GitHub - Párovačka Qt
GitHub - Párovačka Python

Project title: Android application for position tracking of a mobile device
Date: 10/2015 - 8/2016
Description: Application for gathering location information from GPS, Wi-Fi and Bluetooth. Collected data were being sent to the server.
Cooperated by: Departement of Informatics, FRI ŽU
Operating system: Android (4.0+)
Language: Java
Techologies: REST API
IDE: Android Studio
Link: GitHub - PedTrack

Project title: SDN firewall
Date: 5/2018 - 6/2018
Description: SDN firewall is a service implemented with POX SDN controller. Interaction with the module is provided via Bash script.
Cooperated by: Department of Information Networks, FRI ŽU
Position in team: Developer
Operating system: Linux (Mininet/Ubuntu/Debian)
Language: Python, Bash
IDE: Visual Studio Code
Technologies: Mininet, POX, OpenFlow 1.0
Links:
GitHub - SDN Firewall Documentation
GitHub - SDN Firewall