

ANDREY NAGORNOV

Saint Petersburg

+7 931 3655154 ♦ andrey.nagornov@hotmail.com ♦ www.github.com/defex04

EDUCATION

Peter the Great St. Petersburg Polytechnic University *2017 - Present*

Master degree

Institute of Computing and Control, Department of Computer Systems and Software Engineering

Peter the Great St. Petersburg Polytechnic University *2013 - 2017*

Bachelor degree

Institute of Computing and Control, Department of Computer Systems and Software Engineering

TECHNICAL STRENGTHS

Languages Russian (native speaker)

English (Intermediate)

Latvian (Intermediate)

Programming Languages C, Java SE, Python, Assembler (Infineon 8051), MATLAB
LaTeX (TeXstudio)

MAJOR PROJECTS

Java 2018

- During practical applications in the lab, I got familiarized with Java Core.
- Implemented a distributed version of gradient descent for linear regression in Apache Spark.

Python 2017-2018

- During university classes I have realized algorithms for the image processing: equalization, linear extension, filters. I participated in a research work that explored identification of text on products labels.
- I was also a part of team that realized a small interpretation tool.
- Together with my group I got involved in a project Intelligent FireAlarm system. My duties involved developing visualization of data and development of evacuation path to exit.

Assembler 2016-2017

- During my Bachelors degree work I developed a multi-task educational gadget based on the micro-controller Infineon 80C515. The key function of the developed gadget is audio output that is directly reflecting users keyboard activities. For these purposes, the following things have been implemented (assembler): DAC driver, EEPROM driver, I2C protocol, audio playback, keyboard driver.

C 2015

- As a coursework I have realized client-server application Roulette.

ACADEMIC ACHIEVEMENTS

Conference ComCon-2017

First degree diploma in section Embedded Control Systems, Electronics and Robotics