

# SEMEN DOROVITSYN

+7 981 104 4229 ◊ Saint Petersburg, Russia

dorovitsyn.semen@gmail.com ◊ GitHub: honeyfill

## EDUCATION

Academic University,

Aug. 2020 – July 2024

## *Bachelor of Applied Mathematics and Physics*

PROJECTS

Instagram Bot — Python, Flask, Requests, Selenium, BeautifulSoup

June 2021 – Aug. 2021

- Implemented Instagram parser which collects information from user's page.
  - Wrote database to save users data, therefore reduced time to ask Instagram services by collect all information just in one pass.
  - Implemented the interface as a telegram bot.
  - Trained the Bot to answer a question: "Is the account a bot?". This was done using a decision tree from the library Scikit-Learn.

GitHub commit checker — Python, Requests

Jan. 2021 – Feb. 2021

- Created a mini app, which collects all user's commits and pull requests from GitHub and verify them for the required standard.

Arithmetic expression parser — C++, Qt Creator

Nov. 2020 – Dec. 2020

- Designed an arithmetic expression parser that supports addition, subtraction, multiplication, division and parentheses.
  - Wrote an interface for the calculator by using Qt Creator.

School Projects — Java

Sep. 2018 – May 2019

- Implemented an RSA encrypt system.
  - Made a comparison of the speed of self-writing sortings, with visualization in the form of graphs.

## SKILLS

**Languages** Python, Java, Haskell, C++, C, SQL.

**Developer Tools** Git, CLion, PyCharm, IntelliJ.

**Python Libraries** NumPy, Pandas, Matplotlib, Scikit-Learn, SciPy.

**Skills** Calculus, Linear Algebra, Statistics, Differential equations.

#### **ACTIVITIES AND ACHIEVEMENTS**

## **Bioinformatics Courses, organised by Biocad**

Sep. 2018 – Feb. 2019

United Interuniversity Mathematical Olympiad, *t*