

# Sameer Tantry

## Junior C++/Python Developer

+7 996 978 12 70

@ sameertantry@gmail.com

Moscow, Russia

<https://github.com/samthingswrong>

## SUMMARY

Junior C++/Python developer with experience of web scraping, data analysis and working on own projects.

Knowledge of algorithms and data structures.

Familiar with computer architecture and operating systems

Languages : Russian , English ( speaking , writing B2)

## EDUCATION

### B.S. in Applied Mathematics and Computer Science

Moscow Institute of Physics and Technology

Ongoing Moscow, Russia

## PROJECTS

### Parsers implementation

11/2021 - 12/2021 MIPT

<https://github.com/samthingswrong/Formal2021Practice>

Practice in the implementation of language parsing algorithms specified by CFG and regular expressions

- LR-parser
- CYK algorithm
- Earley algorithm
- NFA/DFA/CDFA

### Strategy game

04/2021 - 05/2021 MIPT

[https://github.com/Botar-boo/Nedofivts\\_Project](https://github.com/Botar-boo/Nedofivts_Project)

Development of a game in team of 3 people

- Took on a leadership role
- Improving of teamwork skills
- Improving of development skills in C++
- Setting CI/CD and unit tests
- Taking part in all development phases: design, implementation, testing, CI/CD

### C++ Set

12/2021 MIPT

<https://github.com/samthingswrong/MyLibrary/tree/Set>

Implementation of Set from STL based on AVL-tree

## SKILLS

### Programming

Python

C++

C

Assembly

Numpy

Pandas

Scipy

Matplotlib

Seaborn

Requests

Beautiful Soup

SQLite

Pygame

### DevOps

Git

Github Actions

Googletest

CMake

### Data Skills

MySQL

PostgreSQL

SQLite

Numpy

Pandas

### IDE

CLion

PyCharm

VisualStudio

Vim

XCode

VS Code

DataGrip

## STRENGTHS



### Quick Learner

I can quickly absorb new knowledge and apply them in practice.



### Diligence

I don't give up any even toughest goals.



### Accountability

I take ownership of my mistakes. By doing that I learn what I did wrong so that it does not happen again.

# PROJECTS

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## Data structures

📅 2021    📍 MIPT

Implementation of several data structures

- Treap
  - Implicit treap
  - AVL-tree
  - Splay-tree
  - Segment tree
  - Fenwick tree
  - Sparse table
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## Telegram-bot

📍 MIPT

🔗 <https://github.com/samthingswrong/Cochrane-news-bot>

Telegram-bot that pulled news and research articles from a medical magazine with maintaining database of users and subscribers

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## Clicker

📍 MIPT

🔗 <https://github.com/samthingswrong/ClickerGame>

Simple clicker game