Sameer Tantry

Junior C++/Python Developer

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https://github.com/samthingswrong
Moscow, Russia

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

TRAINING / COURSES

- **Operating Systems Course**
- **C++ Programming**
- **Algorithms and Data Structures**
- **Formal Languages**
- **Database**
- **Basics of Data Analysis**
- **Discrete Math**
- **Linear Algebra**
- **Theory of Probability**

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

SKILLS

Programming

Python **C++** **C** **Assembly**

Numpy **Pandas** **Scipy** **Matplotlib** **Seaborn** **Requests** **Beautiful Soup** **SQLite** **Pygame** **Flask**

DevOps

Git **Github Actions** **Googletest** **CMake**

Data Skills

PostgreSQL **SQLite**

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

Strategy Game

04/2021 - 05/2021 MIPT
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

Data Structures

2021 MIPT
Implemetation of several data structures

- Treap
- Implicit treap
- AVL-tree
- Splay-tree
- Segment tree
- Fenwick tree
- Sparse table

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

Clicker

MIPT
https://github.com/samthingswrong/ClickerGame
SImple clicker game