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EDUCATION

Higher School of Economics bachelors degree in applied mathematics and informatics

2019 - 2023

Relevant courses:

Programming courses: algorithms and data structures, C++, UNIX, functional programming (Haskell), Java

Math courses: calculus, discrete mathematics, abstract algebra, mathematical logic, probability theory

EXPERIENCE

Yandex Software Engineering Intern

Jul 2021 - Oct 2021

Worked in a team that develops a workforce-management system for Yandex business units

Technologies: C++, Python, PostgreSQL, OAuth, HTTP

PROJECTS

MIND MAP (3 participants)

Task: mind map application (eg [mindmeister](#))

My work: GUI (displaying a graph and its changes), support for various shapes of vertex, functions for working with users

Tools: C++, Qt

GRAPH BUILDER ROBOT (4 participants)

Task: drive around the entire map in adequate time and display the road graph

My work: algorithms development, improvement of color recognition in different light.

Tools: python, ROS, OpenCV

TETRIS BUILDER (2 participants)

Task: mobile app for playing Tetris with gravity

My work: Creation of interface for comfortable user interaction, support for various extensions, game process (pause, settings, levels)

Tools: GDScript, C++

TECHNICAL SKILLS

Languages C++, C, Java, Python, Haskell

VCD and Build System Git, SVN, GNU Make, Cmake, Gradle

Tools Docker, MySQL, JUnit, Qt, OpenCV

ADDITIONAL EDUCATION

- **Winter mini-degree program in STEM**

Jan 2020

JetBrains Research and MIT

Two-week program included: linear algebra and calculus, electricity and simple circuits, computer vision fundamentals, programming (based on python), introduction to robot programming with ROS, project development with Duckietown.

- **Winter Olympiad School MIPT**

Jan 2019

Two-week program included: binary search, graph algorithms, sorting, math, vector geometry, dynamic programming, algorithms on strings