

Aiden Munro

github.com/aidenfmunro
manro.e@phystech.edu
[+7 915 298 11 30](tel:+79152981130)
[🏠](#) Moscow, Russia

EDUCATION

MIPT

2023 - 2027

Department of Radio Engineering and Cybernetics

Overall GPA: 7.5/10, Programming GPA: 6.5/10

COURSEWORK

Courses: C Programming, Assembly, Discrete Math, Linear Algebra, Calculus, Physics, Probability & Statistics

Awards: Russian National Olympiad in Mathematics Region Prize Winner (4x), MIPT Olympiad in Mathematics Prize Winner, MSU Olympiad in Physics Prize Winner, BMSTU Olympiad in Physics Prize Winner

SKILLS

Languages: C/C++, NASM, Python, L^AT_EX, DOT

Tools: Git/GitHub, Linux, VS Code, Make, GDB, Kcachegrind, perf, hotspot, IDA

PROJECTS

CPU [\[GitHub\]](#) | C

Oct. 2023

- This project is dedicated to creating my own simplified virtual machine that simulates the work of a single processor unit. The project is split into three separate programs: an assembler, a disassembler, and the machine itself. The assembly language is customly made.

ChatBuzz | *TypeScript, HTML/CSS, Webpack, API (Twitch), Git, Unix Shell, VS Code*

May 2023 – Present

- Developed a full-stack web application for Twitch livestreamers to display repeated chat messages on OBS
- Experimented with Twitch API's OAuth Access Tokens to get chat data from the given channel
- Collaborated with livestreamers to get feedback and suggested features
- Solved problems relating to asynchronous tasks

FoodDropper | *Java, Maven, API (Spigot), Git, IntelliJ IDEA*

Aug. 2022

- Developed a Minecraft server plugin to limit players to one way of replenishing their hunger bar
- Used persistent data containers to save and load data, ensuring that it persists across plugin resets
- Optimized UX e.g. sound design, food drop timing, supplied saturation level, and addressed potential workarounds

EXPERIENCE

Competitive Programming Club | *Member*

Sept. 2023 – Present

Involved in the club centered around Competitive Programming

Apex Tutoring | *Tutor*

2019 – Present

Routinely tutor K–12 students in math, coding, etc.

Luigi Team Charity | *Volunteer, Manager*

2018 – Present

Earned an award for philanthropic hours spent, still giving away 100 stocked backpacks a year

HOBBIES

Playing the Drums

2013 – 2019

Played the drums in symphonic, jazz, and marching bands

3rd Place Time Keeping Challenge Championship (Time Keeping Association)

Feb. 2022 – May 2022

Won \$1500 nationally competing against high school students in counting seconds and minutes