Education

V. N. Karazin Kharkiv National University (top 1 tech university in Ukraine)

Kharkiv, Ukraine

2015 - 2021

B.S. IN MATHEMATICS

Experience _____

Playwing Ltd Kharkiv, Ukraine

C++ GAME DEVELOPER

Apr 2020 - Now

- Worked with Unreal Engine 4 on AAA game.
- Implemented stand-alone deep-linking subsystem independed from concrete UI-components code.
- Created responsive interface on top of Unreal Engine's widget system.

Cruxlab Inc Kharkiv, Ukraine

IOS SOFTWARE ENGINEER

Jun 2017 – Mar 2020

- Worked with various technologies: CoreData, ARKit, SceneKit, Firebase, Google Maps API, etc
- Mastered a lot of techniques: reactive functional programming, dependency injection, interactive transitions.
- Mastered a lot of software architectural patterns: MVC, MVVM, VIPER, RIBs.

Side-Projects (Open source) _____

Yet another poll bot.

Telegram bot for polls with choosen options restrictions based on user-defined boolean grammar expression. Uses syntax like $!1\&!2 \Rightarrow 3|4$ to check if selected options are a valid variant.

cp-tool Rust

Competitive programming tool to use with different judge systems as ejudge, codeforces, yandex-contest, and so on. Inspired by cf-tool, but keep reusablity for different judge systems in mind.

Algorithms and Data Structures

C+

Implemented a lot of algorithms widely used in competitive programming in C++. Focused on re-usability and as much usages for as generous situations as possible with performance in mind.

Honors & Awards

INTERNATIONAL

Aug 2020	3rd place , The Summer School Programming — Uzhgorod	Uzhgorod, Ukraine
Oct 2019	Semi-Finalist, ICPC 2019 (top competitive programming competition for students)	Vinnytsia, Ukraine
Jul 2019	3rd place , KPI-Open 2019 (international open student contest on programming)	Kyiv, Ukraine
Oct 2017	Semi-Finalist, ICPC 2017	Vinnytsia, Ukraine
Jul 2017	Bronze Medal, Iran's scientific olympiad	Tehran, Iran
Oct 2016	Semi-Finalist, ICPC 2016	Vinnytsia, Ukraine
Jul 2015	Gold Medal, IMO 2015 (top mathematical olympiad for pre-college students)	Chiang Mai, Thailand
Mar 2015	Bronze Medal, RMM 2015 (olympiad among top 20 countries from IMO)	Bucharest, Romania
Jul 2014	Silver Medal, IMO 2014	Cape Town, South Africa

Articles

Tips and tricks for competitive programming cpp souce

codeforces bloc

- general tips & tricks for cpp source contains various tips can reduce amount of written code: from simple typealiases to using generic lambda syntax for comparators defining
- reading describes how to define and read variables with single macro
- for macro describing ways to reduce code spent on simple for either a macro, or something like ranges library comes in c++20