Artyom Kolosov

Saint Petersburg, Russia

 @ADevil000 ✉ artem.kolosov2000@gmail.com   github.com/ADevil000

Education

Bachelor of Science in Computer Science   **Sep. 2019 – May 2023**
ITMO University   *Saint Petersburg, Russia*

Department of Applied Mathematics and Computer Science

Completed 2nd year

GPA: 3.54 / 4.0

Relevant Coursework

- Data Structures
- Discrete Math
- Algorithms Analysis
- Programming technologies
- IOS development
- Operating systems
- Mathematical logic
- Probability theory
- Linear algebra

Experience

VKontakte, Social networking service   **Jule 2020 – September 2020**
IOS Developer Intern   *Saint Petersburg, Russia*

- Laid out new screens for a portable device by using SwiftUI and Publishers.
- Solved problems of obtaining an access token by communicating with a storing data device and of saving by using keychain by using Combine.
- Wrote a messenger model layer for a volatile system with limited network resources on Swift.
- Explored ways to visualize url content with optimal size based on available screen space by using SwiftUI
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.

Projects

Unicode translator | *C*

- Translate text from one Unicode format to another.
- Error-resistant system. If Unicode representation of text has bytes' errors then translating from this format to another and back give source file.

Solver of system of linear equations | *C*

- Use Gauss method and iterative method for finding closest answer with minimum error.

Long arithmetic | *C++*

- long-arithmetic with +, -, *, /, negate, sqrt.

Easy task executor | *Java*

- Create plan of tasks executing according their dependencies.
- Use topsort for searching all dependencies and creating correct executing order

Multi-thread image downloader | *Swift, UIKit, GCD*

- Download images from the Internet and save them on device.
- Use GCD for safe multi-thread working and correct showing of content.

Virus spread simulator | *Swift, UIKit*

- Take input with number of people, speed of spreading and period of spreading
- Create visualization model of virus spreading

Multi-thread task manager | *Swift, GCD*

- Control task executions and decrease computation of same tasks
- Safe results according given flags and support cancel of jobs

Technical Skills

Languages: Java, Swift, C, C++, Objective C, JavaScript, Clojure
Developer Tools: Intellij Idea, Clion, XCode, Git
Technologies/Frameworks: Foundation, SwiftUI, UIKit, Combine