

Vsevolod Kvachev



SOFTWARE ENGINEER

+ CONTACT

Date of birth February 18, 1995 (22 years old)

City Russian Federation, Rostov-on-Don

Citizenship Russian Federation

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+ EXPERIENCES

Intel Summer Internship NN 2015 - as C++ OpenGL developer

May 2016 - September 2016 - Logistic Tech - as C# back-end developer

Current: **DigiNext.ru** - as C++ and Go software engineer

Various projects as freelancer

Own projects:

- [glowy2d/glowy3d](#) - graphics engine/framework/OpenGL wrapper (created for self-education)
- [c\(x\)](#) - a programming language with generalized types, values and functions
- Various game drafts, ideas and one prototype, multiple completed hackaton and gamejam games

+ KNOWLEDGE

High Experience **C++, C, OpenGL/DirectX, Unreal Engine 4, C#/.NET, Unity, unix**

Some Experience **Go, Haskell, Coq, SQL, Scala, Java, Python, Javascript, MPI**

Tools & Technologies used *Technologies:* bash, boost, docker, GRPC, D3D11, OpenGL ES, glsl, hlsl, cocos2d-x, cmake, gcc, CUDA, OpenCL, SML, html, CSS, PHP, MySQL, PostgreSQL, Redis, NoSQL, Couchbase, AWS S3, Node.js, jQuery, Idris, ghc, Racket, OpenMP, MFC, WPF, Android, Mono, R, scikit-learn, Swift, Objective-C, etc.
Team tools: git, Agile/Scrum, GitHub, Bitbucket, Redmine, Perforce, JIRA, GitLab, YouTrack
Math: Linear Algebra, Basic Machine Learning, Logic, Type Theory, Category Theory

Languages **Russian** - Native
English - Advanced (IELTS: 7)
German - Beginner

+ EDUCATION

Higher Education **FUNDAMENTAL INFORMATICS AND INFORMATIONAL TECHNOLOGY**

Bachelor at Southern Federal University, **Institute of Mathematics, Mechanics and Computer Science in the name of I. I. Vorovich**, 2013-2017

Coursera **Programming Languages** - University of Washington

From Nand to Tetris / Part I - Hebrew University of Jerusalem

Summer Schools **Intel Summer Internship 2015 NN** - Intel Corporation

Summer Supercomputer Academy 2016 - Moscow State University

Bioinformatics Summer School 2016 - Bioinformatics Institute

Programming Language Implementation Summer School 2017 - Bertinoro, Italy

+ CONFERENCES & PUBLICATIONS

- Programming Languages and Compilers 2017. Design and Implementation of Programming Language with Generalized Types, Sets and Functions

+ MISC. AWARDS

- Prizewinner of Talented Youth Support Award 2009, established by President of the Russian Federation in April 6 2006 Decree "About supporting talented youth"
- Creator of award-winning school website, won multiple competitions and one national school website competition
- Won multiple regional and national competitions and contests in Social Studies, Law and Informatics

- Received scholarship by Head of Administration of Zernogradsky District in 2012
- "47 Hours" Hackaton - scored 3rd place in collaboration with Statzilla team

+ HOBBIES & OTHER

- Music (playing in band), music composition, listening (favourite band: Tesseract)
- Reading (favourite books: I. Turgenev - Fathers and Sons, F. Kafka - The Castle, F. Dostoevsky - The Idiot)
- 2D Design, Drawing
- Created multiple commercial & non-commercial websites in childhood