

VSEVOLOD KVACHEV



SOFTWARE ENGINEER

+ CONTACT

Date of Birth February 18, 1995

Current City Kyiv, Ukraine

Citizenship

Russian Federation

Email vsevolod@kvachev.com

GitHub

github.com/Rasie1

+ 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++ senior software engineer (remote)

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, sets and functions

Various game drafts, ideas and prototypes, multiple completed hackaton and gamejam games

+ KNOWLEDGE

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

Some Experience **Haskell, Python, Go, Scala, Coq**

Tools & Technologies used

Technologies: bash, unix, docker, grpc, OpenGL ES, D3D11, glsl, hlsl, Unity, boost, CUDA, LiquidHaskell, Idris, SSReflect, SML, nix, cats, shapeless, Racket, Mono, R, OpenMP, MPI, AMQP, IBM i, boost Node.js, SQL databases (Postgres, etc),

NoSQL databases, redis, HTML5, Android, Swift, etc.

Team tools: git, Agile, Scrum, GitLab, Redmine, Perforce, JIRA, etc.

Math: Linear Algebra, Basic Machine Learning, Logic, Type Theory, Category Theory

Languages

Russian – Native

English – Advanced (IELTS: 7)

German – Beginner

+ EDUCATION

Higher Education **Theoretical Computer Science and Information Technologies**

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 – 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

+ HOBBIES & OTHER

Music composing, playing bass and guitar, listening (favourite band: The Dillinger Escape Plan)

Photography ([instagram](#))

Created multiple commercial websites in childhood. Prizewinner of Talented Youth Support Award 2009, established by President of the Russian Federation in April 6 2006 Decree "About supporting talented youth". Received scholarship by Head of Administration of Zernogradsky District in 2012. Creator of award-winning school website, won multiple national school website competitions