

VSEVOLOD KVACHEV



SOFTWARE ENGINEER

+ CONTACT

Date of Birth	February 18, 1995		
Current City	Kyiv, Ukraine -> Malmö, Sweden	Website	kvachev.com
Email	vsevolod@kvachev.com	GitHub	github.com/Rasie1

+ EXPERIENCES

Current: **Navcore Nextology** – as **C++ senior software engineer (contract work, remote)**

DigiNext.ru – as **C++ senior software engineer (remote)**

Logistic Tech – as **C# back-end developer**

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

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
- [Colossal Citadels](#) – a strategy game with turn-based factory building over procedural resource types
- Various game drafts, ideas and prototypes, multiple completed hackaton and gamejam games

+ KNOWLEDGE

High Experience	C++, Go, OpenGL/DirectX, Unreal Engine 4, .NET
Some Experience	Haskell, Python, Scala, Coq,
Tools & Technologies used	Technologies: bash, unix, docker, grpc, OpenGL ES, D3D11, glsl, hlsl, Unity, boost, CUDA, LiquidHaskell, Idris, SSReflect, Mono, R, OpenMP, MPI, AMQP, IBM i, boost, Node.js, v8, SQL databases (Postgres, etc), Java, Kotlin, Android, NoSQL databases, cassandra, redis, etc. Team tools: git, Agile, Scrum, GitLab, Redmine, Perforce, JIRA, etc. Math: Linear Algebra, Basic Machine Learning, Logic, Type Theory, Category Theory
Languages	English – Advanced (IELTS: 7 – 2017) Russian – Native German – Basic Ukrainian – Can read and understand

+ 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, progressive metal, photography ([instagram](#)), indie solo gamedev
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.
Has Russian Citizenship. Moved to Ukraine in 2017 due to political views. Fled from war as a refugee from Kyiv in 2022.