

Daniel Vonk

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Experience

C++ Software Engineer, KDAB, London, UK. Nov 2021-

A spin-out of the Linux *KDE* project, KDAB provides C++/OpenGL/Qt training and consulting services. During my time there, I contracted for firms in several different industries (e.g. in medical for a fluorochrome microscopy tissue-analysis machine, in industrial for a multinational wind-power firm), where I helped clients upgrade their codebases to modern C++, resolve performance issues, as well as engineer new features.

Internship, Nuance Communications [now Microsoft Corp.], Aachen, Germany. Sep 2018–Sep 2019

Validating training sets as well as e.g. writing BNF grammars for various NLP products for use in automotive sector.

Education

Summer School, Utrecht University, Netherlands. Jul 2023*

- Attending the MSc-level course *Advanced Functional Programming*
 - The course explores some of the more advanced language features of Haskell (GADTs, type families...) together with some of its theoretical background.
- *Letter of Acceptance upon request*

Computer Science B.Sc., RWTH Aachen University, Germany. Oct 2017–Sep 2021

- Bachelor's thesis (at dept. for Virtual Reality): *Simulation of Realistic Crowds in Virtual Environments by Means of Influence Maps and Visitor Patterns*
- Focus on modules in the visual computing / computer graphics domain.
- Contributed to open-source university research projects incl. for HoloLens augmented reality headset.

A-Levels (Maths/Physics/Computing), Godalming College, Aug 2016
Surrey, England.

Software Technologies

Systems: C++ *Good knowledge of (modern) C++ language and library features as well as current design philosophies (e.g. preference for value-semantics, static over dynamic polymorphism).*

Tools: Git, CMake

Languages

English: Native

German: Fluent *holds C1 certification*

Interests

Learning new programming languages (e.g. Haskell, ReasonML) and creating them (see GitHub), Rowing on the *Thames*