Personal information

Surname / First name	**Čančula, Miha**
Address	Ulica Ivane Kobilce 7, 1000 Ljubljana, Slovenia
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Personal Email	`miha@noughmad.eu`
Nationality	Slovenian
Date of birth	10 April 1989

Work experience

2011-2013	Google Summer of Code participant – Orange, KDevelop, DUNE
2013-2016	Young Researcher – Faculty of Mathematics and Physics, University of Ljubljana
2014-2017	Freelance programmer – Broccoli, MyndPlay, Bitfusion, BlockSettle, etc.
2017-2019	Staff Software Engineer – Bitfusion (acquired by VMWare)
-	Contributions to open source projects – KDE, KDevelop, Rust

Education

MSc	Physics, University of Ljubljana, 2013
PhD	Computational Physics, University of Ljubljana, 2017

Skills

Computer programming	High-performance computing, GPU programming, virtualization, scripting, desktop applications, machine learning, blockchain technology
	Secure and maintainable code, version control, continuous integration, unit testing
	Work alone, in a small team, or as part of a large international project
Scientific research	Theoretical and numerical studies of the interaction between light and liquid crystals
	Published two papers in major scientific journals [1, 2]
Problem solving	Mathematics, physics, optimization, general problem solving
Other	Linux administration, cryptography, LaTeX, 2D and 3D data visualization

Languages

Human	**Slovenian** (native), **English** (fluent)
General-purpose	**C++**, **Python**, **Rust**, **C**, Go, Java
GPU programming	**OpenCL**, **CUDA**, OpenGL, Vulkan
Web and GUI	HTML, CSS, JavaScript, QML, **Qt**, Android
Numerical	**Matlab**, **Octave**, **Numpy**, TensorFlow
Scripting	Linux shell scripts, make, **CMake**

* Areas in which I have expert-level knowledge are in bold

Other achievements

Science olympiads	IMO 2007 – bronze medal, IPhO 2008 – bronze medal, IOL 2008
National competitions	First place in multiple competitions, including programming, math, physics, and logic
Awards	Contribution to sustainable development of society – for work on Orange, 2011

References

[1] M. Čančula, M. Ravnik, and S. Žumer.
Generation of vector beams with liquid crystal disclination lines.
Phys. Rev. E, 90:022503, Aug 2014.

[2] M. Čančula, M. Ravnik, I. Muševič, and S. Žumer.
Liquid microlenses and waveguides from bulk nematic birefringent profiles.
Opt. Express, 24(19):22177–22188, Sep 2016.