

# Alexander Shabalin

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GitHub: <https://github.com/projedi>

Born: March 24, 1991

Nationality: Russian

## Education

Sep 2014 -  
Aug 2018

PhD student, St Petersburg Academic University.

Goal of research is to improve practical usability of pattern matching in dependently typed languages.

Sep 2012 -  
Aug 2014

MS in Software Engineering, St Petersburg Academic University.

Thesis is titled “Extraction from Agda into Haskell”.

Sep 2008 -  
Aug 2012

BS in Physics, Saint Petersburg State University.

## Employment

Jan 2014 -  
Sep 2014

Agisoft LLC, Software Engineer

- GUI application for visualization of 3d objects represented as octrees. C++, Qt, OpenSceneGraph.
- Reconstruction of 3d surfaces from point clouds. C++ (refactoring existing implementation <https://github.com/projedi/poisson-reconstruction>), Haskell (prototyping another algorithm).

Jun 2012 -  
Jun 2013

Plaz LLC, Software Engineer

- GUI application for video conferencing. C++, Qt, ffmpeg.  
<https://github.com/projedi/videochat>
- Library for live video stabilization. C++, OpenCV.  
<https://github.com/projedi/stabilization>

## Skills

Programming languages: Haskell, C, C++, Java, Python.

## Languages

Native language: Russian

Foreign languages: English - fluent