

# Polina Gorkh

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## Professional experience

- 09/2012 – 10/2014 **Project development manager**, Innova Distribution, Moscow, Russia.  
Supervised security of 5000 user accounts. Organized and led events on acquiring new and retaining existing clients.
- 01/2014 – 07/2014 **Engineer-mathematician**, Indusoft, Moscow, Russia.  
Researched data reconciliation and gross error detection problems within industrial data stream. Extensively used MATLAB. Compared error search efficiency leveraging  $\ell_1$ -,  $\ell_2$ - and Huber optimization methods.

## Education

- 05/2015 – present **PhD candidate at Institute of Aerodynamics and Fluid Mechanics**, Technische Universität München, Munich, Germany.  
Simulation of turbulent cavitating flows by physically consistent implicit LES. Graduation expected in 2018.
- 10/2014 – present **MSc Computational Science and Engineering**, Technische Universität München, Munich, Germany.  
Studies focused on mathematical modeling and advanced programming. Graduation expected in 2016.
- 09/2012 – 09/2014 **MSc Applied Mathematics and Physics**, Moscow Institute of Physics and Technology (State University), Moscow, Russia.  
Graduated with honors.
- 09/2008 – 09/2012 **BSc Applied Mathematics and Physics**, Moscow Institute of Physics and Technology (State University), Moscow, Russia.  
Graduated with honors.

## Additional qualification

- Scholarships Potanin Fund Scholarship (2012, 2013), Potanin Fund Grant (2013)
- Languages Russian (native), English (fluent, IELTS 7.0), German (intermediate)
- Programming MATLAB, Delphi, SQL, C/C++, Python
- Software Git, AutoCad, SolidWorks, FlowVision, ICEM CFD, Tecplot, ComSol
- Courses Translator of professional communication in English

## Extracurricular involvement

- 09/2015 – present Mentor in TUM mentoring program MINGA
- 09/2007 – 09/2014 Member of school and Indusoft volleyball team
- 01/2011 – 01/2014 Captain of faculty cheerleading team