

# Grigory Solomatov

*Researcher in Mathematics and Computer Science with experience in Software Development*

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## Work Experience

**Postdoctoral researcher**, *Haifa University & IUI*, Haifa & Eilat. **2022-**  
Research in underwater computer vision and computational photography.

**Postdoctoral researcher**, *Tel Aviv University*, Tel Aviv. **2022-2022**  
Research in coding theory.

**Software developer**, *Railcomplete*, Oslo. **2017-2018**  
Development of CAD software for railway engineers.

**Summer intern as software developer**, *Schlumberger*, **2016-2016**  
Oslo.  
Development of modeling software for geoscientists.

**Student research project**, **2016-2016**  
*Norwegian University of Science and Technology*,  
Trondheim.  
Topic: Finding multi-peakon solutions to Camassa-Holm equations  
for a special class of initial conditions.

**Summer intern as software developer**, *Schlumberger*, **2015-2015**  
Oslo.  
Responsibility: Development of modeling software for geoscientists.

**Computer lab assistant**, **2014-2016**  
*Norwegian University of Science and Technology*,  
Trondheim.  
Responsibility: Assistance, development and maintenance.

## Education

**Ph.D. student**, *Technical University of Denmark*. **2018-2021**  
Topics: Computer Algebra, Algebraic Error Correcting Codes  
Supervisors: Johan Rosenkilde, Peter Beelen

**M.Sc. in Applied and Engineering Mathematics** **2016-2017**  
**(N5TeAM dual degree)**,  
*Norwegian University of Science and Technology*,  
*Technical University of Denmark*.

Thesis: *Computing Normal Forms of Polynomial Matrices*  
Supervisors: Johan Rosenkilde, Vincent Neiger

**B.Sc. in Physics and Mathematics**, **2012-2015**  
*Norwegian University of Science and Technology*.

## Programming Tools

**Python+PyTorch+NumPy+Pandas • JavaScript:** Highly skilled

**Matlab • SageMath • L<sup>A</sup>T<sub>E</sub>X:** Skilled

**Rust • C++ • C# • Lisp • Bash • Lua • GDScript •:** Familiar

## Languages

**Russian:** Mother Tongue

**English • Norwegian:** Fluent