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Education

- 2017-now – Skolkovo Institute of Science and Technology, Russian Federation.
  Pursued degree: M.Sc. in Data Science.
- 2016-now – Yandex Data Analysis School, Russian Federation.
- 2013-2017 – Moscow Institute of Physics and Technology (State University), Russian Federation.
  B.Sc., Applied Physics and Mathematics (with Honours).
  GPA: 4.86/5.
- 2010-2013 – Dnipropetrovsk Lyceum of Information Technology, Ukraine.

Work Experience

- June 2017 - September 2017 – Google Inc.
  Software Engineering Intern.
  Implemented new features in BigQuery UI.
  - Used JavaScript (EcmaScript 6, Closure Compiler).
  - Used Theory of Formal Languages.
  - Worked with PEG.js, CodeMirror.
  - Was involved in various software development life cycle activities (research, architectural design, coding, testing, code reviews, integration, refactoring, etc.)
- 2014-2016 – Distance Physical-Technical School at Moscow Institute of Physics and Technology.
  Teacher.
  Duties: checking of works of pupils at Math, Physics and Informatics.

Skills

- Languages: English, Russian, Ukrainian.
- Programming languages: JavaScript, C++, python, C#, Java.
- Databases: SQL.
- Web: backend (python+django), design (HTML, CSS).
- Operating systems: Linux, Windows.
- LaTeX.
- CUDA (C# + Cudafy).
- Git, SVN.

Interests

- Hardware engineering: designed and programmed simple devices based on AVR microcontrollers.
- Competitive programming, problem setting.
- Learning German.

Achievements

- 2014 – 15th place at Moscow Subregional of NEERC (ACM ICPC).
- 2013 – won Bronze medal at 25th International Olympiad in Informatics.
- 2012 – won Silver medal at XVII International Astronomy Olympiad.
- 2011 – won Gold medal at XVI International Astronomy Olympiad.

Projects

- https://github.com/bigartm/visartm – topic models visualization.
- http://fedimser.github.io/virtualcity.html – modeling of the city traffic in real time.
- http://fedimser.github.io/mibis.html - modeling of the living cells.
- http://fedimser.github.io/aldyparen.html **-** rendering algebraic fractals with GPU**.**

Research

- Mixtures of models of vector autoregression in the problem of time series forecasting (2016, pdf).
- Topic models interactive visualization technology (B.Sc. thesis, 2017, pdf).