Andrey Zvonov

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About Me

- Pursuing Bachelor's degree at Lomonosov Moscow State University, Faculty of Computational Mathematics and Cybernetics.
- Teaching Assistant at Computer Networks course in Moscow Institute of Physics and Technology.
- QA Engineer at Altinity, Inc.

Professional Experience

Altinity, Inc. **Sep 2020 – Present**
Software Engineer in QA *Remote*
Create automated tests for a number of features in **ClickHouse** and utilites, such as *ClickHouse Backup*, *ClickHouse Operator*, as well as our own cloud platform, *Altinity.Cloud*. Contribute to ClickHouse — improved DateTime64 data type handling, developed specific window functions. Maintain internal test&build pipeline providing our clients with approved stable builds with a number of customizations.

Applied Research Center for Computer Networks **Nov 2019 – Aug 2020**
Intern Software Engineer *Moscow, Russia*
Participated in development of *RUNOS* SDN controller — developed a prototype of QoS application to manage tunnel creation via NETCONF.

Skills

- Python, C++, Git/GitLab/GitHub, SQL
- Linux, LaTeX, MATLAB/OCTAVE

Education

Lomonosov Moscow State University **Sep 2017 – Present**
Bachelor studies *Moscow, Russia*
Distributed Systems and Computer Networks

- Cumulative GPA – **4.45/5**
- "Excellent" in Algorithms, Computer Networks, Assembly Language & Computer Architecture, Operating Systems, Distributed Systems, Computations Scheduling in Distributed Systems.

MOOC & Courses

- Formal methods of software design and verification (Sirius University, Nov 2021)
- Introduction to HTML5, Introduction to CSS3, Interactivity with JavaScript (Coursera)
- Geometric Algorithms (Coursera)
- Introduction to C++: White Belt (Coursera) (in Russian)
- Build a Modern Computer from First Principles: From Nand to Tetris (Coursera)
- An Introduction to Interactive Programming in Python (Coursera)
- Developing Android Apps (Udacity)

Research

- **On routing of demultiplexed connections with considering current network state.** (3rd year coursework). An algorithm finding a set of routes corresponding to a given request was proposed and its test was performed using network topologies from TopologyZoo.
- **On efficiency analysis of multipath routing algorithms.** (Bachelor's thesis, in progress). The goal of the thesis is to analyse efficiency of a number of algorithms finding a set of routes in a given topology applied to particular tasks.

Languages

Russian – *native* **English** – *fluent* **German** – *basic*