

# Artem Ioselevskii

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## Career objective

Position Senior Software Developer

## Key skills

C++17, Python, git, svn, Linux, MapReduce, Cloud Systems, CI/CD, SQL, PostgreSQL, ClickHouse, YT, YDB, Protocol Buffers, FlatBuffers, pytest, Zookeeper, Docker, userver

## Work experience

- June 2019 – present **Yandex, St.Petersburg, Software Developer, Yandex Market team.**
- Duties & responsibilities
- Development and support of a service that prepares a search index for Yandex Market
  - Creating unit and functional tests as well as metrics, monitorings, dashboards to increase the reability of the service
  - Creating and maintaining packages and release pipelines as a DevOps Engineer
  - On-Call duties as a Site Reliability Engineer
- Achievements
- I have automated a mechanism that reduces the size of the search index by rotating poorly-displayed offers. It reduces hardware costs and also reduced the loss of money by hiding only rarely shown offers
  - Participated in the development of a mechanism for creating product cards on the fly. This reduced the time to create a product card from 2 weeks to 1 day
  - Developed a metric for tracking the freshness of data in the service, which is now widely used throughout the company
- January 2019 – May 2019 **JetBrains Research, St.Petersburg, Intern in the Mobile Robot Algorithms Laboratory.**
- Research and Development of the Self-Driving car problems (Python, CV) in the **Duckietown** project
  - The winner of the **AI Driving Olympics II at ICRA 2019** (Canada, Montreal) as part of the **JetBrains Research team**
- August 2016 – September 2018 **Kronshtadt Technologies, St.Petersburg, System Engineer.**
- Development of the automatic ship motion control systems: Dynamic Positioning System, Autopilot, Integrated Bridge System
  - Developed the software for the test stand based on ICP-DAS controllers (C++11, Qt)
- January 2016 – August 2016 **ECICS, St.Petersburg, Software Engineer.**
- Development of the joystick motion control systems
  - Development of the algorithms and mathematical models of a ship motion
  - Developed the control algorithms for waterjets control system for a passenger ship (C/C++)
- September 2011 – July 2015 **Saint Petersburg Electrotechnical University "LETI", St.Petersburg, Technical Engineer.**
- Development of mathematical models of the vessels movement
  - Development the software for the test stands (C/C++)

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## Higher education

- 2015 **Lappeenranta University of Technology**, *Technomathematics*,  
Exchange student.  
Lappeenranta, Finland
- 2010 – 2016 **Peter the Great Saint Petersburg Polytechnic University**,  
*Institute of Applied Mathematics and Mechanics*,  
Master with distinction of Applied Mechanics,  
the winner of the Vladimir Potanin scholarship, participation in engineering competitions and olympiads.

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## Additional education

- 2018 – 2021 **Computer Science Center**, *Software Engineering, Data Science*.
- 2018 – present **Stepik**, *Algorithms, C++, Python, Linux, Discrete Mathematics*.
- 2014 – present **Coursera**, *Machine Learning, C++ Programming*.

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## Master thesis

- 2016 "Water Jet control system" – development of the waterjets control system for a passenger ship

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## Conferences

- 2016 Conference "Management in the maritime and aerospace systems" (UMAS-2016), the report "Algorithms for the distribution of stops in the tasks of positioning marine mobile objects"
- 2015 XVII Conference of Young Scientists "Navigation and Motion Control", the report "Identification of parameters of the dynamic model of vessel movement"
- 2012 XXXVIII All-Russian Conference "Motion control of the ship and special underwater vehicles", the report "Determination of stops of active motion control means MMO"
- 2012 XIV Conference of Young Scientists "Navigation and Motion Control", the report "Determination of the characteristics of active controls in dynamic positioning tasks"

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## Additional experience

MATLAB, CAD/CAE,  $\text{\LaTeX}$   
Algorithms and data structures  
Mathematical modeling, Robotics, Motion Control  
Machine learning and data analysis

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## Additional information

- Citizenship Russia
- Languages russian – Native; english – Upper-Intermediate
- Patents Software for modeling sea waves
- Personal qualities analytical thinking, systematic approach
- Github <https://github.com/ioart>
- LinkedIn <https://www.linkedin.com/in/artem-ioselevskii/>