DIMITROV BLAGOI
Student & C++ Software Developer

WORK EXPERIENCE

2019 Wärtsilä 🔗

July 2019 - January 2020 : **6 month Internship at International company.**
I have implemented vector cartography in C++ and am now integrating it into a project to replace raster cartography.
Expected benefits: maps will occupy 70% less memory space & load 2-3 times faster.
Technologies learned: SCRUM, Vector cartography, Computational geometry, GProtobuf.

PERSONAL PROJECTS

2019 Console Utility for Huffman encoder/decoder in C++ 🔗
This utility's interface allows to compress/decompress files larger than RAM.

2019 Advanced std::vector 🔗
A full-value vector with 'small-object' and 'copy-on-write' optimizations.

2019 Big Integer in Assembler 🔗
Implemented addition, subtraction & multiplication. Learned **Computer Architecture.**

2018 MarkDown to HTML converter in Java 🔗

2017 JetBrains internship 🔗
JetBrains award for the best android app. **Ranked #1 out of 20 on internship**🔗
Technologies learned: Agile, Android Development, Android Studio, Java basics, GIT

2017 Summer Informatic School
App for tackling internal company's problems: *Company's Request Manager*.
Technologies learned: Web Dev, B2B. HTML & CSS, Design.

2016 Task from RosCosmos (Russian NASA)
Developed, implemented & tested satellite's stabilisation algorithm in pure C.

EDUCATION

2018 - 2022 ITMO University, Saint Petersburg, Russia
Second-year student, **Computer Science & Applied Math** department.

2019 - 2022 Computer Science Center
Full-time evening **Software Engineering, Data Science & Computer Science** courses.
Duration: 3 years, 20 hours per week.

2014 - 2016 School of Informatics
3 years of extracurricular education.
Competitive programming, Advanced Algorithms and Data Structures in C++ & Python.

SECONDARY TECHNOLOGIES

Google-Test, MapBox, LaTeX, Markdown.