

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 now I am 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

Ranked #1 out of 20 on internship. JetBrains award for the best android app. 

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: Vue.js, Spring, Ajax, HTML & CSS, B2B & Design courses.

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**

Face-to-face evening **Software Engineering, Data Science & Computer Science** courses.

Duration: 3 years, 20 hours per week.

Courses completed: Advanced algorithms & Discrete math

2014 - 2016 **School of Informatics**

3 years of extracurricular education.

Competitive programming, Advanced Algorithms and Data Structures in C++ & Python.