Victoria Valeeva

legal: Timur Valeev | vicky@escape13.me | website: escape13.me | github.com/escape13

EXPERIENCE

Computer Assembly Technician · 27 July 2020 — 21 August 2020
ICL Techno · *Kazan, Russia*

- Implemented a new assembly system, that improved manufacturing performance by 28%
- Created a simulation of assembly on the transporter in C++ and Python to quantify the analysis
- Assembled over 250 laptops and PCs daily for families in need and retailers
- Did quality assurance of over 600 assembled devices daily, helping the company make over 100.000 RUB in bonuses
- Prepared and sorted over 500 hardware components daily necessary for assembly

3D Artist · 15 June 2020 – 15 July 2020
SoyuzKhimPromProekt · *Kazan, Russia*

- Produced high-quality renders of 5 civil engineering projects at the growing petrochemical facility in Nizhnekamsk
- Created a software add-on for Blender 3D in Python to automate building generation
- Utilized Blender API for fast modeling of paneled surfaces, reducing production time by 35%
- Resolved a software migration issue to produce renders by leveraging the properties of complex FBX models

PROJECTS

Research on Numerical Methods | *Java, OpenSourcePhysics* · January 2020 – April 2020

- Conducted comparative analysis of Euler, Euler-Richardson, Verlet, and Runge-Kutta methods, helping to determine the most suitable method for a scientific simulation problems
- Developed simulations of physical phenomena in Java to attain quantifiable properties of the methods
- Applied linear regression to approximate relative error functions

lobach.net | *HTML/CSS, JavaScript, Git* · October 2020 – Present

- Developed a Timetable web application for a lyceum (upper-secondary school)
- Implemented the smart selection of the required day to display, cutting accessibility complexity by 2 clicks
- Introduced a feature of highlighting of current events, forwarding attention of the user to relevant details
- Added the display of time left until the ending of current event, saving 4 seconds spent on calculation

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, Bash, LaTeX
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, XCode, Android Studio, Blender 3D
Libraries: pandas, NumPy, Matplotlib, qiskit, PyTorch, OpenSourcePhysics

AWARDS

Finals of International PhysTech Olympiad in Mathematics · 2020

- prize-winner among over 12 thousand participants worldwide

Finals of International RosAtom Olympiad in Physics · 2020

- prize-winner, top 1% globally

National Olympiad in English Language · 2020

- absolute winner, top 0.5% in Russia

Finals of International PhysTech Olympiad in Mathematics · 2019

- prize-winner among over 12 thousand participants worldwide

EDUCATION

Lyceum of N.I. Lobachevsky Kazan Federal University · Kazan, Russia
Advanced Mathematics/Physics program, GPA 5.0 / 5.0 · *September 2016 – Expected May 2021*

Online School of Moscow Institute of Physics and Technology · Moscow, Russia
Advanced courses in Physics, GPA 4.95 / 5.0 · *September 2019 - Expected May 2021*