VICTOR PURICE

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Jaagpad 1, 2288AB, Rijswijk, The Netherlands

EDUCATION

Delft University of Technology, Delft, The Netherlands   September 2022 - June 2025 (Expected)
- B.S Computer Science and Engineering
- Minor: Finance

Relevant Coursework: Machine Learning, Data Mining, Operating Systems, Computational Intelligence, Algorithms and Data Structures, Embedded Software, Computer Networks, Computer Graphics.

EXPERIENCE

Snowflake   July - September 2024

Internship in the OS Engineering Team

`Docker, Bash`
- Implemented an approach to building virtual machines by converting docker containers to bootable disk images and leveraging direct image upload API to the cloud; enabled the building of multiple variants of images benefiting from the layered approach of container images.

European Junior Olympiad in Informatics 2024   August 2024

Scientific Committee Member
- Authored and set-up two problems of the competition(Old Orhei and Hora).

PROJECTS

Track Anomaly Detection   June 2024

Project for the Ministry of Defence of Netherlands

`Java, Kafka, Flink`
- Distributed stream processing system capable of detecting anomalous behaviour in maritime traffic and handling big data loads; includes a user interface that displays the corresponding computed anomalies of the maritime vessels.

Talio Application   April 2023

`Java, Spring, SQL, Mockito`
- Task setting application that can be used for progress measurement and management, which empowers users to create, customize and connect to task boards.

Ray Tracing Application   October 2023

`C++, OpenGL`
- Ray tracing application and a corresponding graphics rendering pipeline; implemented a data structure to optimize the rendering process, resulting in significant acceleration of computational efficiency and rendering time.

AWARDS AND ACHIEVEMENTS

- **International Olympiad in Informatics (IOI):** Bronze Medal   2022, 2021
- **International Mathematical Olympiad (IMO):** Honorable Mention   2022
- **ICPC Benelux Algorithmic Programming Contest(BAPC):** Silver Medal   2022
- **ICPC Northwestern Europe Regional Contest(NWERC):** Placed 32nd out of 140 teams.   2022
- **Codeforces:** Achieved Master division; 2256 max. rating, top 0.8% .

PROGRAMMING AND TECHNICAL SKILLS

- **Programming Languages:** C++, C, Java, Python, JavaScript, x86-64 Assembly.
- **Libraries and Technologies:** SQL, Docker, Git, VHDL, Arduino, ReactJS, LaTeX.