

Victor-Filip Ghita

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EDUCATION

Delft University of Technology

Bachelor of Computer Science and Engineering

Delft, The Netherlands

August 2021 - July 2024

- **Track:** Data and Artificial Intelligence
- **Minor:** Science, Business, and Innovation at University of Leiden
- **Teaching Assistant:** Object-Oriented Programming and Computer Organisation courses

EXPERIENCE

MongoDB

Software Engineer | C++, JavaScript

Dublin, Ireland

August 2024 - Present

- **Query Execution:** Part of the Query Execution Team working on projects like change streams and persistent query settings.

Waypoint EU

Software Developer | C++

Remote, The Netherlands

November 2023 - August 2024

- **Container Logistics Algorithm:** Worked on an algorithm which optimizes the placements of containers on ships using variable neighbourhood search.

Delft University of Technology

Software Developer | Ruby on Rails, MySQL, Redis

Delft, The Netherlands

January 2023 - May 2024

- **Learning Analytics Dashboard:** Implemented a statistics dashboard for the Q&A platform used by our university to improve learning analytics.
- **OAuth Integration:** Integrated the platform's authentication system to use other learning platforms like OpenEdx as authentication providers.

MongoDB

Software Engineering Intern | C++, JavaScript

Dublin, Ireland

June 2023 - August 2023

- **Query Execution:** Worked on the validation and authentication of cluster-wide query hints sub-system of the query engine.

Feedback Analytics

Software Engineering Intern | Next.js, TailwindCss, MongoDB

The Hague, The Netherlands

April 2023 - June 2023

- **Employee Satisfaction dashboard:** Developed a dashboard to visualise employee satisfaction based on their responses to periodic surveys, through metrics such as employees' average rating over time or survey satisfaction percentage.
- **HCI Usability Study:** Conducted a Human-Computer Interaction survey based on Nielsen's heuristics to improve the user experience of the application.

Keba

Software Developer | Angular, Electron.js

Remote

September 2021 - December 2022

- **B2B Charing Stations Management Application:** Developed a desktop and web application for managing car charging stations aimed to be used by hotels and companies.

Keba

Software Development Intern | Angular, Lumen, Xamarin

Bucharest, Romania

July 2020 - May 2021

- **SPA and REST API:** Remodeled the legacy web application available on the Keba Charging Station and refactored it into a single-page Angular application and a Charging Station REST API, using the Lumen framework.

PROJECTS

- **Patient Management Application:** Implemented a web application for "Sfantul Sava" Hospital, used to store patients' data, track their consumables and medication and generate internal PDF files and reports. Tech: Spring Boot, Thymeleaf, Htmx, AlpineJs, TailwindCss, PostgreSQL (July '22 - Present)
- **Rowing Training Scheduler:** Implemented a micro-services-based API which allows users to find matching partners for rowing, together with 5 other colleagues, as part of the 'Software Engineering Methods' course. Tech: Spring Boot, H2 Database. (November '22 - January '23)
- **Recursive Ray-tracer:** Implemented a recursive ray-tracer together with two colleagues which simulated physically accurate graphics as part of the 'Computer Graphics' course. Tech: C++, OpenGL. (September '22 - November '22)

CONTESTS

- **American Computer Science League 2019 - New Jersey, USA:** Participated in the international stage of the ACSL, as part of high school's team.

SKILLS SUMMARY

- **Programming Languages:** C++, JavaScript/TypeScript, Java, Scala, Bash, Python, Ruby, Haskell
- **Frameworks:** Spring Boot, Angular, NodeJs, React/Next.js, Rails, Laravel/Lumen
- **Tools:** Docker, Git, MongoDB
- **Spoken Languages:** Romanian- Native, English- Professional working proficiency, German- B2 level
- **Soft Skills:** Teamwork, Adaptability, Interpersonal Communication, Time Management