Victor-Filip Ghita

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EDUCATION

Delft University of Technology   Delft, The Netherlands
Bachelor of Computer Science and Engineering   *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   Dublin, Ireland
Software Engineering Intern | C++, MongoDB   *June 2023 - August 2023*
- **Query Execution**: Worked on the validation and authentication of cluster-wide query hints sub-system of the query execution engine.

Delft University of Technology   Delft, The Netherlands
Software Developer | Ruby on Rails, MySQL, Redis   *January 2023 - Present*
- **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.

Feedback Analytics   The Hague, The Netherlands
Software Engineering Intern | Next.js, TailwindCss, MongoDB   *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   Remote
Software Developer | Angular, Electron.js   *September 2021 - December 2022*
- **B2B Charing Stations Management Application**: Developed a Desktop Application for managing car charging stations aimed to be used by hotels and companies.

Keba   Bucharest, Romania
Software Development Intern | Angular, Lumen, Xamarin   *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.
- **Mobile Application Prototype**: Developed a cross-platform mobile application prototype, using Xamarin, which provided users access to manage their charging stations.

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 meant to simulate physically accurate graphics, together with two other colleagues as part of the 'Computer Graphics' course. Tech: C++, OpenGl. (September '22 - November '22)
- **Quiz Application**: Implemented a multiplayer quiz game together with 5 colleagues, as part of 'Object-Oriented Programming Project' course. The game was developed as desktop application communicating with a REST API, aiming to raise awareness about energy consumption. Tech: Spring Boot, JavaFx, H2 Database. (March - April '22)
- **Online Memory Game**: Developed an online, two-player memory game, using web sockets for real-time communication. Tech: NodeJs/ExpressJs (December '21)
- **Assembly Brainf*ck Programming Language Interpreter**: Created a Brainf*ck Programming Language Interpreter in AT&T x86 Assembly. Tech: Assembly (October '21)

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