

Maurice Van Wassenhove

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Master Computer Science Engineering & Bachelor Computer Science (Informatics)

About Me

Hi, I am a master student in Computer Science Engineering at the university of Ghent with a bachelor in Computer Science. I have an interest in developing correct, secure, and efficient software and on the lookout for new experiences.

Education



Master Science in Computer Science Engineering

Ghent University

2022 - 2024

Belgium

- Thesis: Air Drumming: Applied on-device body pose estimation
- Courses: Data Quality | Big Data Technology | NoSQL Databases | Cloud Storage and Computing | Discrete Algorithms | Computer Graphics | Fundamentals of Musical Acoustics and Sonology



Bachelor of Science in Computer Science (cum laude)

Ghent University

2019 - 2022

Belgium

- Minor: Electrotechnique & telecommunications

Professional Experience



Software Developer Internship

Guardsquare

July - August 2023

Leuven, Belgium

- Mainly worked on improving the error messages thrown by the `proguard-core` open source project.
- Created an internal tool to visualize the proguard core reasoning using compose multiplatform.

Java Kotlin Gradle Compose Multiplatform Java Bytecode



Student Software Developer

Stampix

July 2022

Ghent, Belgium

- Responsible for creating the new shop page for the Stampix mobile application.

TypeScript React Native GraphQL Full-Stack Development



Student Software Developer

Stampix

July 2021

Ghent, Belgium

- Responsible for adding the ability to buy extra products at the checkout page, both in the frontend and backend of the site.
- Constructed the complete track and trace page for customer orders.

TypeScript React Python SQL Full-Stack Development

Projects

REST-API using Rust, OpenAPI and Postgres

Personal Group Project

Present

Ghent, Belgium

- A project I am quite passionate about, which builds the backend for a mobile- and web application. The application is currently a master thesis project on facilitating routines and planning for children with an autism spectrum disorder (ASD) and their parents or caregivers.
- The web api is built using Rust and the Poem OpenAPI web framework, leveraging the power of Rust to build a REST-API that is conform to the OpenAPI specification.
- Using Postgres and Sqlx for SQL Database migrations and compile-time checked queries.
- As the project requires storing sensitive data, we built the authentication and authorization schemes following the OWASP Foundation recommendations.

Certificates

2019 Initiator Tennis Coach, Sport Vlaanderen

2018 First Aid Certificate, Red Cross (Belgium)

Skills

Languages Dutch (Native) | English (Fluent) | French (Basic)

Programming Rust | Kotlin | Java | C++ | C | JavaScript | TypeScript | Bash | Assembly | Haskell |

Languages Prolog | Python | HTML | CSS

Tech & Others Git | GitHub Actions | Typst | Linux | REST | OpenAPI | Agile | Semantic Versioning

Personal Interests Piano | DJ'ing | Exercising