Kowalski Roch

(+32) 488 59 16 60 | kowalski.rochpro@gmail.com | Linkedin | Github | My site

Education

HE2B-ESI - École Supérieure d'Informatique — **September 2021 – Ongoing**
Bachelor of Software Engineering — *Brussels, Belgium*

Institut Sainte Ursule — **September 2014 – June 2021**
High School Diploma, General Education — *Brussels, Belgium*

Projects

MangaLib | *Source code* — **Kotlin | Firebase | Retrofit2 | API**

- Developed an **Android** mobile app that enables users to track top-rated and most followed manga titles, manage their manga library, and bookmark favorites. The app utilizes the **Mangadex API** for real-time manga data and **Firebase** for database management.
- The app offers a variety of features, including authentication for user login and access to their personal library, management of the manga collection, browsing of the latest, top-rated, and most followed manga, and comprehensive search functionality for any manga title.
- The app utilizes the **MVVM** (Model-View-ViewModel) architectural pattern.

Basic Tetris | *Source code* — **C++ | Qt Widgets | CMake**

- Developed a school project aimed at testing and solidifying foundational skills in **C++**, completed in collaboration with a colleague.
- The project was built from scratch, requiring us to create our own **UML** diagram to structure the project.
- This Tetris implementation includes both a simple **console-based** and **GUI-based** version of the game.
- Gained valuable insights into software architecture by designing and implementing the game's structure from scratch.
- The Tetris game allows users to choose the game mode, select the difficulty level, and customize the board dimensions.

Stib Itinerary planner | *Source code* — **Java | SQLite | Maven | javaFX**

- Developed a **Java** desktop application that allows users to plan an itinerary between two metro stations in Brussels.
- The application enables users to select an origin and a destination station, and save their itinerary to favorites for quick access.
- The search algorithm implemented to find the path between the two stations is **Dijkstra**'s algorithm.

Technical Skills

Languages: Java, SQL, HTML5, CSS, JavaScript, C, C++, Kotlin, PHP, PL/SQL

Developer Tools: Postman, Git, Maven, Gradle, Jetbrains, VSCode

Libraries/Frameworks: Laravel, Django, JavaFX, Retrofit2, SQLite, MySQL

Languages

French: Native Level

English: Professional Working Proficiency

Polish: Native Level

Japanese: Beginner Level