

KOWALSKI ROCH

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

Education

HE2B-ESI - École Supérieure d'Informatique

Bachelor of Software Engineering

September 2021 – Ongoing

Brussels, Belgium

Institut Sainte Ursule

High School Diploma, General Education

September 2014 – June 2021

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

- * Scientific work conducted in English for Prometeruse(Certificate)
- * Won 4th place at the regional level and 31st place at the national level in The BIG Challenge.(Certificate)

Polish: Native Level

Japanese: Beginner Level