

# Abel Ianovici

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## Summary

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Abel Ianovici, born in 2004, second-year Computer Science student at **Université libre de Bruxelles**. Focused on AI, manufacturing automation, and tech innovation. Strong foundations in application and system design, with basic knowledge of machine learning and data science. I am quick to pick up new skills and adapt to different tasks. Seeking an internship or part-time role to apply technical skills and learn through real-world impact.

## Education

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**Université libre de Bruxelles**, Bachelor in Computer Science

Sept 2022 – Present

- Third year at university
- **Coursework:** Computer Architecture, Algorithms, Database, Probability and Statistics, Linear Algebra

## Personal Projects

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**Web Data Scraper and Excel Exporter**

[github.com/ablweb/GoScraper](https://github.com/ablweb/GoScraper)

- Built a tool that extracts significant data from websites and converts them into Excel spreadsheets, simplifying dataset creation
- Tools Used: Go, Colly

**Parametric Audio Compressor**

[github.com/ablweb/SinComp](https://github.com/ablweb/SinComp)

- Developed a Python tool that compresses audio by isolating and encoding the top sine wave components using Fourier Transform. Has potential for major size reduction of simple sounds. Prototype stage
- Tools Used: Python

## Academic Projects

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**Multiplayer Tetris**

2024

- Developed an online multiplayer Tetris game with both graphical and command-line interfaces. Designed using MVC pattern and led a team of 8, driving major technical decisions
- Tools Used: C/C++, SQLite, QT

**Command-Line Chat**

2024

- Developed a simple client-server chat application with system-level communication tools. Completed in one week as part of a 3-person team, leading core design and implementation
- Tools Used: C

## Technologies

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**Programming Languages:** C++, C, Go, Python, SQLite, JavaScript

**Technologies:** Linux, Python (machine learning/data processing): NumPy, Pandas, Scikit-learn, Matplotlib

**Operating System:** Windows 10/11, Linux (Debian, Arch, Fedora)

**Tools:** Git, LaTeX, UML (StarUML), Office suite (Excel, Word, PowerPoint,...)

## Languages

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**Native:** French, Romanian

**Fluent:** English