Curriculum Vitae

Malek Ben Ghachem

www.linkedin.com/in/malek-ben-ghachem-b74a4b191

https://github.com/Malekbg08

PROFILE AND INFORMATIONS

Final-year MSc HCI student (Computer Science) graduating in September 2025 and seeking IT opportunities. Strong foundation in **coding, algorithms, and data**, with added skills in management and **communication**. Experienced project manager in team settings, **adaptable**, **diligent** and **highly dependable under pressure**.
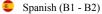
TOOLS

Github
Maven
ServiceNow
Canva
Atom
Netbeans
Android Studio
VS Code
IntelliJ
Doxygen
Eclipse SQLDeveloper
Balsamiq
Mockplus
Miro
Figma
Unity

EXPERIENCE

September 2024 - __ : Business Analyst apprentice at Air France - KLM

Working on **incident and problem analysis**, contributing to CMDB evolution workshops and designing interactive dashboards to support change management and user adoption.

December 2023 - __ : Private teacher at Complétude

Private teacher at Complétude, instructing students from primary to high school levels in **Mathematics** and **English**. Also teaching **Computer Science** to students of all proficiency levels.

October 2024 - March 2025 : Prototyping project at AIRBUS

Prototyped the interface of the digitalised catalogue of options for aircraft cabin customisation using the **User Centered Design (UCD)** process and **Figma**.

May 2024 - August 2024 : Research Internship at ENAC

Designed interactive interfaces using Python QT and D3.js to enhance collaboration between ATCO and artificial intelligences.

LANGUAGES

🇬🇧 English (Bilingual)
🇫🇷 French (Native)
🇪🇸 Spanish (B1 - B2)
🇷🇺 Russian (A2)

EDUCATION

September 2023 - __ : ENAC- École Nationale de l'Aviation Civile:

Computer Science MSc in Human-Computer Interaction - *Graduated with High Honours*

September 2020 - June 2023 : Université Toulouse III Paul Sabatier :

Computer Science Bachelor's degree - *Graduated with High Honours*

SOFT SKILLS

Curiosity
Time Management
Dynamism
Resilience
Autonomy
Attention to Detail
Teamwork
AGILE
Creativity
Problem Solving

HARD SKILLS

· **High-level programming (Java, Python)**
· **Databases programming (SQL)**
· **Low-level programming (C, ASM)**
· **Parallel programming (Python MPI, Cuda C)**
· **Web Development (Java Spring, JavaScript, React JS, HTML & CSS)**
· **Prototyping** on **Figma, Java Swing, Python QT, D3.js, C SDL and Balsamiq/Netbeans.**

HOBBIES

· **Sports**
  (Football,Boxing,Tennis)
· **Learning languages**
· **Travelling**
  (By plane, Bus or Train)
· **Reading**
  (Polars, Murder mystery)
· **Music**

ACHIEVEMENTS

· **Development** of "Kwizz", a multiplayer local quizz game using **React**,**Bootstrap** and **JS**
· **Development** of a fully interactive **information visualisation system** to display and explore aircraft trajectories in **JS**
· **Correction and development in JS & PHP of** new features for HandiMathKey-Learning, **a children's learning application**
· **Development** of a Airport Ground Control **simulator** using **Python QT and D3.js**
· **Development** of CartOCampus, the university maps application, in **Flutter**
· **Development** of an **Operating System in C** (Modular programming)
· Election **Results Verification** project in **C** (Modular programming)
· **Development** of a word guessing **game** in **Vue.js**