

Alexandre Josien

112 rue de Sèvres - apt 11
Paris, France, 75015
☎ (+33) 06 95 34 51 16
✉ alexandre.josien@gmail.fr

Interests

Enthusiastic, interested, and passionate student in computer science and engineering. Willing to use the knowledge acquired during my studies, as well as with my personal projects, during my internship in 2022. Also looking forward to learning and discovering from this experience.

Education

- 2021-present **Computer science and engineering school, EPITA**, Rennes France.
- Theoretical courses: maths, algorithms complexity, language theory, graphs theory, communication
 - Practical work: programming in, C, Java, C++, SQL, python
- 2019-2021 **Integrated preparatory class in engineering and computer science, EPITA**, Rennes France.
- Theoretical courses : maths, algorithm/data structures, physics, electronics, communication
 - Practical work : programming in, C, C#, python, OCaml

Experience

- Sept 2022 **Software engineer intern, DXOMARK**, Paris France, 5 months.
- Jan 2023
- Developed an automatic device control system
 - Created a automation protocols and graphical user interfaces
 - Trained staff for device automation
- Summer 2021 **IT internship, "FACE-LA"**, Nantes France, 4 weeks.
- Trained staff on various IT systems and usage
 - Implemented different tools to facilitate co-working within the team of employees
 - Took care of transferring critical files on a new storage system

Projects

- SWM **Sport With Me app, team of 2.**
- Current
- An mobile application to allow user to find and create groups to pratice sport together.
 - Implemented the iOS version in Swift using UIKit framework and Firebase.
- JWS **Java Web Server, team of 4.**
- 2022
- Implemented a backend in Java based on the MVC model.
- SoundHook **Sound processing project, team of 3.**
- 2021
- Implemented a sound processing software. The project aimed to analyze a soundtrack to reduce background noise in the audio sample.
 - The project was built using C and signal analysis tools such as Fourier transform or Wavelet transform.
- OCR **Optical character recognition software, team of 4.**
- 2020
- Implemented an optical character recognition software capable of analyzing complex text pictures and interpreting the content of the text being written in various fonts. (in C)

Skills

Technical skills

- | | | | |
|---------|----------|--------|-----------------|
| ○ Git | ○ Java | ○ C | ○ R(notions) |
| ○ Bash | ○ Python | ○ Unix | ○ Rust(notions) |
| ○ Swift | ○ C++ | ○ SQL | |

Soft skills

- | | |
|----------------------|---------------|
| ○ Teamwork | ○ Creativity |
| ○ Project management | ○ Versatility |

Language

French: Native language

English: TOEIC 945