

# ALEXANDRE JOSIEN

## SOFTWARE ENGINEER



(+33)695345116



alexandre.josien@gmail.com



112 rue de Sèvres 75015 Paris



<https://github.com/Alex375>

## SUMMARY

Aspiring computer science student actively seeking an internship in the field. Eager to apply my knowledge and skills in a professional setting, with a strong focus on problem-solving and innovation.

## EDUCATION

### EPITA - PARIS 2010 - 2014

- Computer science engineering degree (Health care major)
- Theoretical courses : Computer vision, Data analysis, communication, AI for genetics, bioinformatics
- Python, R, Tensorflow, Pandas

### EPITA - RENNES 2019-2021

- Preparatory class
- Theoretical courses : maths, algorithm complexity, data structures, physics, electronics, communication
- C, C#, python, OCaml, Java, JS, SQL, C++

## EXPERIENCE

### SOFTWARE ENGINEER INTERN

DXOMARK - Paris France  
Sept 2022 - Jan 2023

- Developed an automatic device control framework for laboratory
- Created a automation protocols and graphical user interfaces
- Trained staff for device automation for laboratory

### IT INTERN

FACE-LA  
Summer 2021

- Trained staff on various IT systems and usage
- Implemented different tools to facilitate co-working

## PROJECTS

### ISEG 2017

- Brain tissue segmentation on MRI using CNN/U-net models.
- Python, Tensorflow, Sklearn

### OCR

- An optical character recognition program (from scratch, without using any machine learning framework) able to analyze complex text images.
- C, CNN

### SWM

- A mobile application to allow users to find and create groups to practice sports together.
- Swift (UIKit), Firebase

### JWS

- Implemented a backend in java
- Java, MVC

### MORTALITY PREDICTION

- A model predicting the length of stay of a patient in intensive care based on multiple health factors.
- Python, Tensorflow, Ethics

## SKILLS

### HARD SKILLS

- |          |          |              |
|----------|----------|--------------|
| • Python | • Java   | • SQL        |
| • Git    | • Swift  | • Tensorflow |
| • C      | • Pandas | • Javascript |

### SOFT SKILLS

- Project management
- Teamwork
- Creativity
- Versatility

## LANGUAGE

French : native language

English : fluent (TOEIC 945)