

# Florian Amsallem

*Computer engineer seeking a challenging full-time position.*

## Education

### EPITA – École Pour l'Informatique et les Techniques Avancées

📍 Paris 📅 2015 – 2020

Computer science engineering school with a specialization in Image Processing.

### Indian Institute of Technologies (IIT)

📍 Jodhpur 📅 Jan. 2017 – Jun. 2017

Student exchange program to pursue my studies abroad.

## Professional Experience



### Software Engineer Intern at Siemens Healthineers

📍 Princeton 📅 Mar. 2020 – Sep. 2020

Optimized and deployed remote MRI reconstruction software. Using C++, Cuda, Python.



### Teaching Assistant at EPITA

📍 Paris 📅 Sep. 2018 – Jan. 2020

Teaching C++, C, Java to third-year students and responsible for notation tools. Using Python, Docker, Kubernetes and Argo.



### Software Engineer Intern at Spark Horizon

📍 Paris 📅 Sep. 2018– Dec 2018

Improved a mobile application and built a simulator of charging station of electric cars. Using Python, Javascript and MongoDB.

## Skills and Interests

### Programming Languages

Rust Python C++ C Java C#

### Tools

Numpy Keras Scikit Learn Docker Kubernetes Linux Unity Engine Blender

### Languages

French English ASL

## Portfolio

### 🔗 My Git

Personal project, an implementation of git in the Rust programming language, for the purpose of learning more about git internals and the language itself.

### 🔗 Rasterizer

An implementation of a 3D rasterizer in C++. Features include a Z-Buffer, Lambert shading, Phong shading and scenes loading using Assimp.

### 🔗 Bee Wings Intersection

This project goal is to detect bee's veins intersections. The project is written in Python3 and uses scikit-image and open-cv modules.

### 🔗 Raytracer

A raytracer implementation in C. Features include a Specular light, Phong illumination, Materials and more.

## Relevant Experiences

### Prologin member 📅 2016 – 2019

Prologin is an association organizing the French National Computer Science contest.

### Southwestern Europe Regional Contest (SWERC) competitor 📅 2017 – 2018

European programming contest focused on algorithmic problem solving and practical coding.