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.

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