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 at DGEX Solutions (SNCF Réseau) Saint Denis Since Feb. 2021

Developing OSRD an open source railway simulation tool.

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 | Java | C++ | C | C#

Tools

Docker | Django | Postgres | CI/CD | Linux | Unity Engine | Blender

Languages

French | English | ASL

Portfolio

OSRD

OSRD is an open source tool meant to help design and operate railway infrastructure. It is a complex project consisting of several micro services.

Path-Tracer

An implementation of a 3D path tracer in rust. Features include a `BVH`, `BRDF`, `Viewer` and scenes loading using `GLTF`.

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.

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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