

SKILLS

Languages	Python, PHP, C++, SQL, NoSQL, Bash, Git, \LaTeX , Markdown
Frameworks/libs	Laravel, Flask, FastAPI, Scikit-Learn , Django, OpenCV , Pandas, Numpy, TensorFlow , Keras
DevOps	Docker , GIT, Heroku
Conceptual	Machine Learning Algorithms, Deep Learning , MLOps , HTTP REST API , Microservices Architecture
Soft skills	Quick Adaptation , Team Player , Team Management, Communication, Curiosity, Time Management
Communication	French native language, English Fluent, Spanish Working Knowledge

TECHNICAL EXPERIENCE

CTO | Full-Stack Web Developer **09 2019 — Present**
FLOD (incubated in Techstars AI 2019) *Marseille/Reims, FR*

Start-up that helps companies with large infrastructure parks to monitor their assets in real time. flood.ai

- **Skills:** PHP, Python, JS, SQL, Laravel, Django, Flask, Docker, Bootstrap, JQuery, microservices
- Development of a web application for sensors management (PHP / Laravel and Python/Django)
- Development of a web application for customers to access sensors data, visualize and handle their parks, assets and sensors. Real time alerts by email and SMS if something goes wrong (Python / Flask)
- Development of a REST API to retrieve and interact with data from sensors (PHP)
- Preparation for fundraising / Customer Relationship Management / Commercial Presentation / Project Management

R&D Computer Vision Engineer - 3D Object recognition using the Structure Sensor Device **03 2016 — 05 2018**
CNRS (French National Centre for Scientific Research) *Sophia-Antipolis, France*

Part of the DigiArt project (Horizon 2020 European research and innovation programme) which aims to provide new technological solutions in the cultural sector.

- **Skills:** C++, Python, OpenCV, PCL, Pytorch, Node.js, Objective-C, Bash
- Evaluation of the state of the art algorithms for 3D detectors and descriptors
- Interactive low-resolution 3D Point Cloud retrieval engine using similarity search, SVM and interactive Learning
- Development of an iOS application using the structure sensor device (<https://structure.io/>)
- Gender and Age Estimation of 3D low-resolution Pelvis bones models using Deep Learning using PointNet network in Pytorch
- **Publication ICIP 2018:** An interactive Content-Based 3D Shape Retrieval System for on-site Cultural Heritage Analysis

Intern computer vision engineer - Visual Odometry for self-localization using a prior-map **03 2015 — 09 2015**
Panasonic *Singapore*

Part of the IP3D team in the Core Technology Group of Panasonic. Wrote a thesis: international management - The case of an expatriate manager in Singapore.

- **Skills:** C++, Python, Bash, ROS, OpenCV
- Evaluation of the state of the art algorithms for SLAM/Visual Odometry
- Build an annotation tool software for labelling
- Modification and customization of the ORB-SLAM algorithm for adapting it in our usecase

Summer Technical Internship - Logo Retrieval (detection and recognition) using BoW algorithm **Summer 2014**
Samsamia *Madrid (Spain)*

EDUCATION

Machine Learning Bootcamp, Google summer 2022

Master Degree - IAE - MAE (Business Administration), IAE Nice (France) 2015

Master Degree - Applied Mathematics - Specialization on Computer Vision and Machine Learning
Polytech Nice (France) 2010 — 2015

CERTIFICATIONS / TRAINING

- Coursera - Deep Learning Specialization
- Coursera - DeepLearning.AI TensorFlow Developer
- Coursera - ML Engineering for Production (MLOps) (ongoing)
- PylmageSearch Gurus Graduate - an actionable, real-world course on computer vision with Python

ACTIVITIES

- Podcaster about longevity and self-development, blogger, photographer, danser, climber, volunteer in an association
- Entrepreneurship, Investments
- Author of the book "Être heureux, ça s'apprend: les clés de votre épanouissement personnel"