Sébastien Pradier

18 Allée François Mitterrand, Angers, France • sebastien.pradier@reseau.eseo.fr • +33 6 03 03 51 21

Looking for an internship for a duration of 6 months outside France in the field of Computer Vision, Artificial Intelligence, Deep Learning, Machine Learning and all related fields.

Education

Ecole Supérieure d'Electronique de l'Ouest   *Angers, France*

Candidate for Master Degree of Engineering in Data Science and Electronics   *Expected July 2022*

Validated Higher Mathematics & Physics

Université Rennes 1   *Rennes, France*

Candidate for Master of Science in Signal & Image Processing, Machine Learning   *Expected March 2022*

SISEA Program directed by Laurent Albera

Experience

Nokia Bell Labs : ENSA LAB   *Paris, France*

Optical Networks & Artificial Intelligence Intern   *2020 - 4 Months*

• Developed Nokia driver for Optical Device on SDN platform (ONOS) based on OpenConfig data model using Java & Python.

• Participated to active research with Ph.D interns on Machine Learning & Deep Learning algorithms applied to Optical Networks (Reinforcement Learning, Recommender Systems & Random NN).

• Worked with Linux, GITLAB & Dockers in English.

ESEODRONE : School Club

Team Vice President & Software Leader   *Angers, France*

• Managing a team of 35 members through various projects related to drones.   *2019 - Now*

• Working on Electronics, Robotic, Software, Artificial Intelligence.

• Developing a new SeaGuard Drone supported by ALTRAN and powered by NVIDIA Jetson kit & based on Computer Vision and Video Processing.

Fairme : French Startup

Artificial Intelligence - Software Freelance   *Remote, France*

• Model & Dataset construction for detection & segmentation (Pytorch, OpenCV, v7labs).   *2021 - Now*

• Flask server implementation with Cloud Solution (GCP App Engine, Python).

• Stream management (Jetson Nano, DeepStream, Jetson Libraries).

• Web development (Ajax, HTML, CSS, VueJS).

Projects

Zero Gravity CNES Challenge   *2020 - 2021*

Software & Artificial Intelligence Team Leader

• Building a drone from scratch that can stabilizes by itself in zero gravity flight (with random variations of gravity on x, y, z).

• Building models to process data and help in decision making.

• Managing a team of 35 students.

• This project had been selected by the CNES to fly during the zero gravity flight.

Studies Final Project for MBDA Group   *2021 - Now*

Image Processing & Deep Learning

• Working with image filtering and processing (MATLAB).

• Building detection model based on the dataset we built (TensorFlow).

• This project is still in process and will be finished in March 2022.

Skills

Relevant Coursework : Data Science, Signal & Image Processing, Computer Vision, Artificial Intelligence, Programming, Linear Algebra, Computer Science, Communication.

Proficient With : Python, Java, TensorFlow, Pytorch, Keras, MATLAB, SDN.

Interested In : Computer Vision, Image Processing, Artificial Intelligence.

Good communication skills (even remotely).

French - English - Spanish.