Loïc Souverain
Software Engineer

25 years old - Driving License
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I finished my studies in computer science in march 2020, and I am looking for job.
Thanks to my internships, I have already 1.5 year of experiences in python and image processing

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EDUCATION

French Enineering Diploma in Computer Science

University of Technology of Belfort-Montbeliard (UTBM)
September 2017 to March 2020

Equivalent to master of Engineering
following the Image, Interaction and Virtual Reality program

2 year Technical Degree in Computer Science

University Institute of Technology of Dijon
September 2014 to June 2016

General education in Computer Science

EXPERIENCE

defect detection of LEGO elements

The LEGO Group - Since September 2019 - Internship - Billund - Denmark

- Creation of image processing software in python that allow visual defect detection
- Creation of a platform that allow centralization of data, algorithms configuration, and data visualization (with python/Django)

diagnostic tool for beauty

L'Oréal - March 2018 to August 2018 - Internship - Clichy - France

- With photo and 3D scan of faces, development of image processing algorithm (e.g. wrinkle detection, dark circle detection, map of skin evenness) in python
- Integration of this algorithms in a demo, from data acquisition to personalized product fabrication

Classifcation of satelite images

Caliatys (filiale Air Liquid) - June 2017 to August 2017 - Internship - Strasbourg - France

- Creation of a Convolutional Neural Network : data acquisition, preprocessing, creation of the CNN architecture (Keras), and learning process
- Development of a website (Python/Django) that use the neural network : selection of an area to analyse, tool that allow fast data labelisation (fro training purpose), and data vizualisation of results

Classification of skin disease

Laboratoire Électronique Informatique et Image - April 2016 to June 2016 - Internship - Dijon - France

Creation of algorithm that analyse images of the "lentigo" disease, and classify as "melanoma" or "benign"

Summer job in System & network team

Schiever (grande distribution) - July 2015 to August 2015 - Temporary Work - Avallon - France

Creation of dashboard with ElasticSearch, Logstash et Kibana. This included parsing log from different application with regex.

SKILLS

Computer Science

- Python
- Java
- C#
- Unity
- SQL
- C et C++
- Git
- ElasticSearch / Logstash / Kibana

Image processing and AI

- Scikit-image/learn
- OpenCV
- Keras
- PyTorch

Language Skills

- French - native
- English - C2

INTERESTS

3D printing

design replacement piece / print random things found on the internet

Hackathons

- Orange (telecommunication company) : Price of best data exploration in hackathon about a free music festival in Belfort
- Hacking Health Besançon 2018 : Development of an image processing solution to detect scabies

Unitec : The UTBM robotic team

Work on the vision system of the robot, to detect position of other robots