

Schoningher Jimmy

Senior Software Engineer

Contact

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Home

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Skills

Python

AI/CV

HTML/CSS

Javascript

React

OpenCV

C++

Robotics



Languages

French

Native

English

Business Level

Japanese

Daily conversational

Chinese

Basic



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Github

<https://github.com/jimmyBizMobile>



LinkedIn

<https://www.linkedin.com/in/jimmy-schoningher-242101a7/>



About Me

I am a senior software engineer based in Tokyo. My 6 years of experiences in particular abroad testify to my capacities of adaptation to interact in an environment with multiple actors. I am a highly motivated person. I master perfectly high technology tools, I am fluent in English and I have a basic knowledge of the Chinese and Japanese. I know how to adapt myself to new environments, take responsibilities and be rigorous when it is necessary. Also, my qualities of synthesis, analysis, and integration were widely recognized on my diverse experiences.



Work Experiences

Backend Engineer *BizMobile/IoT-EX, Tokyo, Japan*

01-2021 / Present

- Develop and Maintain the REST API backend (Django-Python-Docker-RabbitMQ-Celery-MySQL)
- Stay up-to-date with Apple and Google MDM(mobile device management) API and features
- Review company's members's Pull Requests and give workshop on different topics
- Unit testing for the new features

Computer Vision Engineer *EnRoute, Tokyo, Japan*

08-2018 / 11-2019

- Develop a Deep learning and image processing system for object avoidance
- Development of algorithm for the drone using a NVIDIA TX2/Jetson NANO as companion computer and the Ardupilot open source library
- Custom training model with Keras, tensorflow object detection API and CUDA
- Development of the ROS nodes for the drone object detection avoidance
- Development of a web API to control the drones using Node.JS, Javascript and React.JS
- Development of the backend API to store the drones fleet information using mongoDB and socket.io

Robotics Engineer *Connected robotics, Tokyo, Japan*

02- 2018 / 08-2018

- Algorithms for the pose estimation of the robot mounted camera
- Develop an UI for the deep learning system with Qt
- ROS program to interact with the robot and the environment
- Annotation of the custom dataset for the deep learning
- Creation of CNN with tensorflow in parallel with the cloud system

Software Engineer *ZMP, Tokyo, Japan*

02-2017 / 02-2018

- IZAC framework (coded in C++) based on OROCOS. in charge of development of new components for the autonomous driving systems
- Object tracking and classification based on deep learning and point cloud



Personal Projects

Personal Page

01-2023 - Present

- Develop my personal portfolio using Django (Backend) and nextJS(frontend)
- Use Vercel hosting to deploy the frontend and pythonanywhere to host the backend

Fake Company Landing Page

01-2021

- Develop a fake company landing site using HTML/CSS
- Use firebase hosting to deploy the site
- Use Github actions to auto deploy to firebase each time a merge is triggered

Collection Manager Dashboard Development

06-2021 - Present

- Developement of a full stack collection manager
- Use Firebase tools (Auth, storage, realtime DB)
- Use React as front end
- Use Github actions to auto deploy to firebase each time a merge is triggered



Education

Universite Pierre et Marie Curie, Paris School of Engineering

2014/2015

Master of Science, Robotics and Intelligent Systems

Nanyang Technological University, Singapore

2013/2014

Exchange Semester

Universite Pierre et Marie Curie, Paris School of Electronic Engineering

2011/2013

BS, Electronic Engineering

Universite de Reims Champagne-Ardenne, Troyes School of Electronic Engineering

2009/2011

University diploma in electronics and computer sciences