

GUETER JOSMY FAURE

5F-5, No. 8, Dehui Street, Zhongshang District, Taipei · 0909402049
josmyfaure@gmail.com · [LinkedIn Profile](#) · [Github](#) · [Website](#)

EXPERIENCE

AUGUST 2022 – PRESENT

SENIOR ENGINEER, HTC VIVE

I work on creating personalized photorealistic avatars and 3D scene reconstruction for virtual environments. I am also involved in developing the hand-tracking program for our VR headsets.

Tools: Python, PyTorch, TensorFlow (lite), C++, Unity.

JANUARY 2022 – JULY 2022

COMPUTER VISION ENGINEER INTERN, MOVELLA

I developed accurate and energy-efficient pose detection and action recognition models that perform real-time inference on mobile devices (Smartphones and IoT devices). I built the model for their first computer-vision-based product: An android/iOS app to track patients' recovery.

Tools: Python, TensorFlow (lite), Dart, Android Studio.

AUGUST 2019 – JANUARY 2022

AI ENGINEER INTERN, 艾錡科技

My primary task is to survey new computer vision methods and algorithms and build models based on them for resource-constrained hardware.

- Survey the latest AI algorithms (track conferences such as CVPR, ECCV, AAAI, NIPS...).
- Implement the surveyed algorithms, and quantize them for IoT devices.
- Add AI functionalities to mini-robots built with Micro:Bit or Raspberry Pi.
- Tailor AI courses for Professionals. Oversaw more than 40 practical AI projects.

Tools: Python, Tensorflow (lite), Pytorch, C++.

EDUCATION

SEPTEMBER 2023 – PRESENT

DOCTOR OF SCIENCE IN COMPUTER SCIENCE, NATIONAL TAIWAN UNIVERSITY

- Research Assistant at the MiRA (Multimedia indexing, Retrieval, and Analysis) lab
- Advised by Prof Winston Hsu

SEPTEMBER 2020 – JUNE 2022

MASTER OF SCIENCE IN COMPUTER SCIENCE, NATIONAL TSING HUA UNIVERSITY

- GPA: 4.13/4.3
- Research Assistant at the Computer Vision Lab
- Led the team that won ECCV's DeeperAction Challenge on Action Detection (2nd place).
- Was awarded the Outstanding International Student Scholarship during my studies.
- Published a paper at WACV 2023 (first author) and co-author of an ACCV 2021 paper
- Received an Excellence Award from the Taiwanese Association of Artificial Intelligence (TAAI) for my thesis

SEPTEMBER 2016 – JUNE 2020

BACHELOR OF SCIENCE IN COMPUTER SCIENCE, NATIONAL CHIAO TUNG UNIVERSITY

- Took all the AI-related classes at that time.
- My undergraduate project is a security camera with face recognition built with raspberry PI, hosted by IBM cloud with MQTT as messaging service.
- VP for the International Student Union.
- Played on the school's soccer team

SEPTEMBER 2015 – AUGUST 2016

CHINESE AS SECOND LANGUAGE, NATIONAL CENTRAL UNIVERSITY

- Intensive Traditional Chinese class
- Passed the level TOCFL level 2 (intermediate Chinese)

SELECTED AWARDS AND PUBLICATIONS

- WACV 2023 paper ([link](#))
- TAAI Thesis Award
- ECCV MultiSports Challenge Winner
- Certified TensorFlow Developer ([link](#))
- Deep Learning Specialization ([link](#))
- AI CUP 2020 (top 25%) ([link](#))

PROGRAMMING LANGUAGES AND TOOLS

- Python (Pytorch, Tensorflow)
- Machine Learning and Deep Learning
- Cloud (GCP, AWS, IBM cloud)
- Web Development (JS, CSS, HTML)
- App Development (Android/iOS, JAVA, Dart)
- C++

OTHERS

- Collaborated with a Harvard Scholar to create the world's first massive robot cooperation simulation with 10,000 robots ([play](#)).
- Created a fun AI project to help kids in my country learn English ([link](#)).
- Host a Youtube channel where I teach python in my mother tongue ([link](#)).
- I am fluent in French (mother tongue), English, and Chinese .