

# SEONGBIN LIM

Machine learning Researcher and Engineer

Towards Machine Learning <https://sbinnee.github.io/>

135, Wausan-ro 30-gil, Mapo-gu, Seoul,  
Republic of Korea

(+82) 10 9690 8823

[sungbin246@gmail.com](mailto:sungbin246@gmail.com)

## EXPERIENCE

### NoriSpace

27, Dongil-ro 174-gil, Nowon-gu, SEOUL, Rep. of Korea  
— *Senior Machine Learning Researcher*

MARCH 2023 - CURRENT

Topic — Fraud detection in documents

Description - Vision & Language multi-model anomaly detection

### PandaScore

40 Rue de l'Échiquier, PARIS, France — *Intern*

APRIL 2019 - AUGUST 2019

Topic — Head-up display detection in e-sport

Description - Object detection with Faster R-CNN in Data scientist Dept.

### Laboratoire d'Optique et Biosciences (LOB)

École Polytechnique, PALAISEAU, France — *Intern*

MARCH 2018 - AUGUST 2018

Topic — Low-level deep filters for large microscopy volumes

Description — Filter application with U-Net for biosciences

## EDUCATION

### [PhD] Laboratoire d'Optique et Biosciences (LOB),

École Polytechnique, PALAISEAU, France — *PhD Candidate*

OCTOBER 2019 - OCTOBER 2023 (Expected)

Thesis — Versatile machine learning for neurodevelopmental imaging

Description — Developing a self-supervised computer vision neural network

### [MScEng] Kyung Hee University & École Polytechnique

SEOUL, Rep. of Korea & PALAISEAU, France — *Dual Master's Degree*

MARCH 2017 - AUGUST 2019

Innovation Technologique: ingénierie et entrepreneuriat (ITIE)

Quantum display engineering and Computer Science

### [BSc] Kyung Hee University

SEOUL, Rep. of Korea — *Bachelor's Degree*

MARCH 2011 - FEBRUARY 2017

(Military Service SEPTEMBER 2011 - JUNE 2013)

Dpt. of Information Display, College of Science

## PROJECTS

### bioimageloader — Python library

Load bioimages for machine learning applications

Link — <https://github.com/LaboratoryOpticsBiosciences/bioimageloader>

## SKILLS

Machine learning, Deep learning, Data visualization

Python, R, JavaScript, Golang, C/C++, Bash, MATLAB, Linux, Arduino, FPGA, COMSOL, SPICE

## SCHOLARSHIPS

### France Excellence

FEBRUARY 2018 - JULY 2019

by Campus France and French Embassy in South Korea

## LANGUAGES

Korean	Native
English	Fluent
French	Intermediate (TCF B1)
Japanese	Basic

## PUBLICATIONS

[1] **S. Lim**, X. Zhang, E. Beaufaire, and A. Chessel, "NU-Net: a self-supervised smart filter for enhancing blobs in bioimages", BIC workshop, ICCV 2023 [Accepted]

[2] **S. Lim**, X. Zhang, E. Beaufaire, and A. Chessel, arXiv.org, Mar. 02, 2023.  
<https://arxiv.org/abs/2303.02158v1>

[3] T. P. L. Ung, **S. Lim**, et al., Sci Rep, vol. 11, no. 1, p. 22171, Nov. 2021, doi: 10.1038/s41598-021-00126-8