

# SEONGBIN LIM

Machine learning Researcher and Engineer

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

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## EXPERIENCE

### NoriSpace

SEOUL, Rep. of Korea — *Team Lead*  
*Research and Engineering Team*

MARCH 2023 - CURRENT

Topic — Fraud detection in documents, RAG for insurance documentation

Description — Image forensic and anomaly detection, Info retrieval using LLM

### PandaScore

PARIS, France — *Research 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 — *Research 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 in Computer Science*

OCTOBER 2019 - OCTOBER 2023

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** (Find more at <https://sbinnee.github.io/>)

### 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. Beaurepaire, and A. Chessel, BioImage Computing workshop, ICCV, Oct. 2023 [Accepted]

[2] **S. Lim**, X. Zhang, E. Beaurepaire, and A. Chessel, arXiv.org, Mar. 02, 2023. arXiv:2303.02158

[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