

# Mengsay Loem

<https://github.com/loem-ms>

Email: [mengsaylms@gmail.com](mailto:mengsaylms@gmail.com)

Mobile: +81(0)90-8352-2105

## EDUCATION

---

- Tokyo Institute of Technology** Tokyo, Japan  
*Master of Engineering - Artificial Intelligence* Apr 2022 - Present  
*Courses:* Advanced Machine Learning, Cybersecurity, Data Engineering, Practical AI and Data Science
- Tokyo Institute of Technology** Tokyo, Japan  
*Bachelor of Engineering - Computer Science; GPA: 3.79* Apr 2020 - Mar 2022  
*Courses:* Artificial Intelligence, Machine Learning, Data Structure and Algorithms, Databases
- National Institute of Technology, Kagoshima College** Kagoshima, Japan  
*Associate of Engineering - Information Engineering* Apr 2017 - Mar 2020  
*Courses:* Operating System, Information Theory, Numerical Analysis, Computer Architecture, Computer Network

## SKILLS SUMMARY

---

- Languages:** Khmer (Native), English, Japanese
- Programming Languages:** Python, C++
- Tools:** PyTorch, fairseq, Keras, Django

## EXPERIENCE

---

- Tokyo Institute of Technology** Tokyo, Japan  
*Research Assistant* Dec 2021 - Present
- Novitas, Inc.** Yokohama, Japan  
*Computer Maintenance Staff* Nov 2020 - Present

## HONORS AND AWARDS

---

- Sato Yo International Scholarship** Apr 2022 - Mar 2024  
*Sato Yo International Scholarship Foundation* Japan
- Award for Academic Excellence** Mar 2020  
*Institute of Electronics, Information and Communication Engineers* Japan
- President's Award for Best Graduation Project** Mar 2020  
*National Institute of Technology, Kagoshima College* Japan
- MEXT Scholarship** Apr 2016 - Mar 2022  
*Japanese Government* Japan
- Outstanding Award for the presentation of Exhibit** Feb 2016  
*The 10th Regional Congress Search for SEAMEO Young Scientists* Malaysia

## PUBLICATIONS

---

- Mengsay Loem, Sho Takase, Masahiro Kaneko, Naoaki Okazaki. Are Neighbors Enough? Multi-Head Neural n-gram can be Alternative to Self-attention. arXiv, July 2022.
- Mengsay Loem, Sho Takase, Masahiro Kaneko, Naoaki Okazaki. ExtraPhrase:Efficient Data Augmentation for Abstractive Summarization. In Proceedings of the 2022 Conference of the North American Chapter of the Association for Computational Linguistics: Student Research Workshop, Seattle, July 2022.
- Mengsay Loem, David Taingngin, Chan Oeurn Chey, Meak Kamerane. A Design of Low Cost and High Performance Speed Detector Combining Digital Camera and Photo-resistive Sensor to Contribute to Traffic Accidents Reduction in Cambodia. Youth Innovation for Sustainability, SEAMEO Recsam, 2016.