STORAI ROMAIN

M.S. & M.Eng. in CS & AI

🚗 *Driving license*

Contact

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Technical Skills

- **Machine Learning, Deep Learning**
  pytorch, nltk, scikit-learn, transormers
- **Natural Language Processing**
- **Information Retrieval**
- **Programming Languages**
  object oriented, linear, web, parallel
  (**Java** / **Python** / **C** / **HTML** / **MatLab**)
- **Software Engineering**
- **Tools**
  UNIX, Windows, JUnit, Docker, Git, Jetbrains, MS Office

Other Skills

- **Team work**
  leadership, management
- **Communication**
- **Adaptive, dynamic, creative**
- **Solve complex problems**
- **Project Management**

Languages

- **French**
  mother tongue
- **English C1** • TOEFL 103/120
  professional practice
- **Korean**
  scolar

Interests

- **Sports**
  swimming, fencing
- **Computer Science**
  IT, new technologies, Machine Learning, AI
- **Volunteer**
  @ de la Fraternité (teaching)
- **Travel, Discover & Feed my curiosity**

Summary

M.S. dual degree student in Computer Science and Engineering @ SNU, under the supervision of Prof. Hwang in the **Language and Data Intelligence Lab**. My goal is to improve the efficiency and performance of language models without retraining or fine-tuning.

#ComputerScience   #MachineLearning
#NLP   #Transformers   #LLM Optimization

Work Experiences

- **Software Engineer Intern** • INTERNSHIP, 4 MONTHS
  Led computation model optimization, resulting in an 80% reduction in processing time, while enhancing code quality and documentation for improved maintenability.
  Languages: Java, C, Fortran.
  Naval Group, Ollioules (FR).

- 2023 **Deep Learning Research Intern** • RESEARCH, 4 MONTHS
  Addressed color inconsistency issues in aerial images though Generative Adversarial Networks and Neural Style Transfer techniques.
  Frameworks: Pytorch, Tensorflow.
  IGN - IMT Mines Alès (FR).

- 2017 **Back-End Volunteer Developer** • INTERNSHIP, 3 MONTHS
  Created a virtual server management system and API in a team of 5.
  Technologies: Java, PHP, Docker and RabbitMQ.
  PrivateHeberg.com, Nancy (FR).

Education

- 2023 **M.S. in Computer Science** • Seoul National University (KR)
  Language and Data Intelligence Lab, advised by Prof. Seung-won Hwang.
  Major: Natural Language Processing, Deep Learning.
  Graduation: February **2025**

- 2021 **M.Eng. in CS and AI** • IMT Mines Alès (FR)
  Topics: Computer Science, Artificial Intelligence, Machine Learning, Software Engineering, General Engineering, Management.
  Graduation: February **2025** • GPA : *top 3%*

- 2019 **Preparatory Class for Engineering** • Lycée Faidherbe (FR)
  Topics: Mathematics, Algebra, Analysis, Physics, Computer Science.

Projects

- **Speculative Decoding Implementation** • Transformers / NLP
  Implemented a decoding strategy that enhances the speed of Transformers text generation without disturbing the output distribution. (**github**)

- **Inappropriate Language Classifier** • Machine Learning / NLP
  Compared multiple Machine Learning and Deep Learning models to address inappropriate language in video-game chats. (**github**)

- **Denoising Algorithm Implementation** • Computer Vision
  Implemented and studied Non-Local Means algorithm for image denoising. (**github**)

- **Multiplayer Game Creation** • Software Production / Java
  Created a multiplayer game over a custom networking protocol, following Agile methods.

More information at https://rstr.fr