Kayo Yin

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WORK EXPERIENCE

Illuin Technology (Paris, France)   September 2019 – January 2020
NLP Researcher
- Unsupervised Question Answering in French based on Cloze generation and Neural Machine Translation
- Creation of French Reading Comprehension dataset (FReaC), implementation of CamemBERT for QA

Illuin Technology (Paris, France)   June 2019 – August 2019
Artificial Intelligence & NLP Intern
- Denoising scanned documents for OCR, ensemble model with CNN and XGB meta-learners, article
- Research state-of-the-art deep learning methods for medical imagery analysis
- Unsupervised question answering based on Cloze generation and unsupervised NMT, article

EDUCATION

École Polytechnique (Palaiseau, France), GPA 4.15/4.0   September 2017 - Present
B.S. Mathematics and Computer Science (Anticipated June 2020)
- **Thesis**: Sign Language Translation with Transformers (A+), paper submitted to peer-reviewed conferences
- Relevant courses: Machine Learning, Probability, Statistics, Algorithms, Formal Languages, Computer Architecture, Networks, Algebra, Analysis, Mathematical Modelling, Numerical Linear Algebra, Numerical Optimization, Machine Learning for Signal Processing, Visual Recognition using Deep Learning, Signals and Systems, Image Processing, Complexity, Concurrent and Distributed Computing
- Interviews: Women in Science (Year 3), Meet our Students (Year 2), A Lifetime of Science p.38 (Year 1)

GRE: 339/340 (Quantitative: 170, Verbal: 169, AW 5.5) ; TOEFL: 117/120

SKILLS & INTERESTS

- **Programming languages/technologies:** Python (PyTorch, scikit-learn, Keras), C++, Git, Linux, Coq
- **Languages:** English, French, Japanese (bilingual proficiency), Mandarin (full professional proficiency)
- **University clubs:** computer networks, sustainable development, feminism, LGBT rights, social charity, Buddhism, origami, orchestra, choir, brass band, sign language, women's soccer team, martial arts

ACHIEVEMENTS

- **BattleDev March 2019:** 342th place out of 3578
- **Prologin February 2019:** Semi-finalist
- **Trophées Concours Kangourou** (French national mathematics competition)
  - April 2015: 6th place out of 13011
  - April 2012: 8th place out of 53937