

Qiwei Shao

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Education

Honors Bachelor of Arts with High Distinction, University of Toronto Toronto, Canada – 2015-2020

- Programs: Computer Science, Economics, Spanish
- Relevant Coursework: Calculus, Linear Algebra, Software Design, Applied Statistics
- Award: Dean's List Scholar

Global Exchange Program, University of Edinburgh Edinburgh, Scotland – 2019-2020

- Program: Informatics
- Relevant Coursework: Machine Learning, Speech Processing, Machine Translation, Computer Architecture

Master of Science, University of Montreal Montreal, Canada – 2020-2022

- Program: Computer Science
- GPA: 3.93
- Relevant Coursework: Natural Language Processing, Information Retrieval, Self-supervised Learning, Reinforcement Learning

Programming Proficiency

- Programming Languages: Python (TensorFlow, PyTorch, BeautifulSoup, NLTK), Java, C, Unix, HTML
- Data Management and Operation: SQL, JSON, Stata

Relevant Experience

Conversational Question Answering

University of Montreal 2021

- Implemented a pipeline for the conversational question answering task at SCAI 2021

Junior Data Scientist

Reesby 2021

- Managing back-end data for website dashboard
- Built a model to recommend online courses for students

Fine-tuning Pun Detector with Mask

2019-2020

Edinburgh University Young Scientific Researchers Association (EUYSRA)

- Built a BERT fine-tuning pipeline for pun detection
- Experimented unconventional fine-tuning approach to improve pun detection accuracy by 4%

Named Entity Recognition with Reinforcement Learning

2020

University of Montreal

- Used proximal policy optimization for named entity recognition and achieved an accuracy of 81%