Fengyu Li

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Interests	Machine Learning Methods, Machine Learning Systems, Deep Generative Models

Education

2021-2025	**Cornell University** B.A. in Computer Science B.A. in Mathematics Cumulative GPA – 4.15

Research Experience

Feb 2022– Ongoing	**Document-level Template Filling Using Generative Transformer**, *advised by Prof. Claire Cardie at Cornell NLP* - In progress

Projects

Jan 2022– May 2022	**CamelDB SQL Database**, *Final project of CS 3110* - Built a basic SQL database using OCaml, a functional programming language.
Jan 2021– Dec 2021	**Intelligent Life Simulator**, *Final project of CS 2112* - Built a parser for a language with context-free grammar. Implemented an improved Dijkstra's algorithm that supports dynamic generation of an abstract graph. Modified a traditional binary search tree to support parallelism. - *Best Project Award* in class of 2025.

Coursework

Undergraduate-level

- Machine Learning
- Honors Data Structures
- Analysis of Algorithms
- Multivariable Calculus
- Probability & Inference
- ML System*
- Natural Language Processing*
- Advanced Linear Algebra*

Graduate-level

- Advanced ML: Deep Models*

* denotes courses planned for next semester

Teaching Assistant

Fall 2022	(Planned) CS 4780 Introduction to Machine Learning, by Prof. Wen Sun
Spring 2022	CS 2110 Object-Oriented Programming and Data Structures, by Prof. David Gries

Extracurricular Activities

Oct 2021– **Cornell Design & Tech Initiative**, *Software Developer*
Aug 2022   I was a full-stack developer at Cornell DTI, one of the largest engineering project teams at Cornell. I contributed to the development of Carriage, a cross-platform app that connects disabled student riders with the CU Lift ride service.

Last updated: March 23, 2022