Fengyu Li

Email: fl334@cornell.edu
Homepage: fengyuli.com
GitHub: fengyuli2002

Interests   Dynamic 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

May 2022–
Ongoing
Sampling Bias in Implicit and Explicit Recommenders, *advised by Prof. Sarah Dean*
- In progress

Feb 2022–
May 2022
Document-level Information Extraction, *advised by Prof. Claire Cardie*
- 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
- Machine Learning Systems*
- Analysis of Algorithms
- Data Structures (Honors)
- Functional Programming
- Computer Organization*
- Multivariable Calculus
- Probability & Inference
- Advanced Linear Algebra (Honors)*

Graduate-level
- Advanced Topics in Machine Learning: Feedback in Dynamic Models*

* denotes courses planned for next semester

Teaching Experience

Fall 2022   (Incoming) TA, CS 4780 Introduction to Machine Learning, by Prof. Wen Sun

Spring 2022   TA, 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: April 14, 2022