

Jerry Sun

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Education

Cornell University, Ithaca, New York

B.S. Computer Science, GPA: 3.75, Deans List FA 19' 20'

Aug 2019 - May 2023

- **Coursework:** Advanced Machine Learning Systems, Computer Vision, Probability and Statistics, Databases, Computer & Operating Systems, Algorithms, Learning Analytics, Discrete Structures, OOP & Data Structures, Linear Algebra, Multivariable Calculus

Skills

Languages

- Python, Java, SQL, R, React, TypeScript, C

Technologies

- Git, PyTorch, Tensorflow, Keras, Scikit-Learn, AWS

Experience

Amazon | *SDE Intern (AWS)*

Jun - Aug 2021

- Developed an internal tool (Python) to automatically collect and store EC2 Nitro hardware system metadata inside a MySQL database, reducing query times from hours to seconds
- Created an internal tool's testing infrastructure by adding unit and integration tests, severely reducing the frequency at which the service crashes

Teaching Assistant | *CS 4780: Intro to Machine Learning*

Dec 2020 - Present

- Create and modify homework sets along with overseeing Vocareum (class coding platform)
- Grade homework and exams and hold office hours for a class size of 400

Research | *Undergraduate Researcher*

Dec 2020 - May 2021

- Researching Transformer Variational Autoencoders for Molecular Design under Prof. Fengqi You

Cornell Data Science | *Education Subteam Lead & Onboarding Chair*

Jan 2020 - Present

- Manage the creation of data science tutorials, workshops, and all other technical projects
- Onboard full-team recruits through technical lectures and culture building events
- Lecture, grade, and hold office hours for the student-led Intro to Data Science class

Projects and Accolades

Project X Competition

Sep 2021 - Present

- Deriving insights on the virality of COVID-19 misinformation on Twitter through the use of BERT and other NLP models and building an active misinformation-classification model to combat it.

Election Prediction Kaggle Competition

Dec 2020

- Created SVM, KNN, and Neural Network models to predict the 2016 election results by county. Team placed 4th and achieved an 86% accuracy rate.

1st Place in the Cornell Hospitality Hackathon

Sep 2019

- Pitched a data-driven model to cluster guests based on preferences (e.g., sleeping habits) and used location data to optimize efficiency by housekeepers and reduce workplace musculoskeletal injuries