

Yale Fang

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WORK EXPERIENCE

Columbia University Irving Medical Center

Sept. 2021 – Sept. 2022

Intern

New York, NY

- Developed deep learning models to study CRISPR gene expression and predict gRNA efficiency on target sequences
- Cleaned and processed large datasets to ensure high quality data for future analysis and modeling
- Utilized Python and TensorFlow to implement and evaluate the deep learning models

Castleton Commodities LLC.

August. 2021 – June 2022

Intern

Online

- Developed a web app for backtesting and pairs trading stocks, utilizing Python and the Flask framework
 - Used HTML, CSS, and JavaScript for frontend work
 - Used Python and the MongoDB API to store and transfer data
- Closely collaborated with two other interns in an agile environment
- Planned comprehensive, biweekly presentations through the entire development period

PROJECTS

RUEmpty

Aug. 2023 – Oct. 2023

Personal Project

- A web application enabling Rutgers University students to locate available classrooms for studying and explore interesting classes by specifying time and location
- Built using Python, Django, JavaScript, and SQLite, harnessing these technologies for a robust and interactive user experience

YearView

Feb. 2023 – Aug. 2023

CS50 Final Project

- A web application that transforms daily activities into a captivating year-long infographic, offering individuals a personalized overview of their year
- Created utilizing Python and Flask, with data management powered by SQLite, ensures a seamless and efficient user experience

EDUCATION

Rutgers University–New Brunswick

May, 2025

BS, Computer Science

New Brunswick, NJ

- School of Arts and Sciences Honors Program; 4.0 /4.0 GPA
 - Relevant coursework: Data Structures, Software Methodology, Principles of Information & Data Management, Systems Programming, Computer Architecture, Harvard CS50, CS50W

TECHNICAL SKILLS

- **Programming:** Python, Java, C/C++, MySQL, Javascript, NodeJS, Flask, Bootstrap, MongoDB
- **Miscellaneous:** Photoshop, PPT presentations, Detail-oriented, Teamworking
- **Languages:** English (Native), Chinese (Proficient), Spanish (Limited Proficiency)