

Roy Zhou

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EDUCATION

New York University

New York, NY

B.A. in Computer Science and Data Science

May 2023

- Relevant Courses: Machine Learning and Deep Learning, Processing Big Data, Data Management and Analysis, Basic Algorithms, Operating Systems, Data Structures, Linear Algebra, Probability and Statistics, Calculus II

WORK EXPERIENCE

Web Scraping Specialist

March 2023 - April 2023

Octavate

New York, NY

- Collaborated with the data analytics team to identify new data sources and develop automated data scraping applications.
- Cleaned, processed, and analyzed the data to communicate patterns and insights to stakeholders.
- Tools used: Python, BeautifulSoup, Selenium, pydrive, SQL, AWS

Software Developer Intern

June 2022 - August 2022

Instinet Incorporated

New York, NY

- Aided in the development of an application that could connect to the company's trading platforms as a client and send orders, execute trades, or receive market data.
- Consolidated testing between legacy and modern FIX-based trading platforms.
- Collaborated with senior members of the team under Agile software development principles to complete work in two-week sprints.
- Tools used: Java, Java Servlets, JUnit, Unix, Git, Gradle, AWS

Assistant Operations Manager

June 2019 - June 2022

Tomo Japanese Cafe

Queens, NY

- Established partnerships with food delivery services, designed the restaurant's online menu, and oversaw all online operations.
- Integrated online orders with the restaurant's POS system to minimize errors and decrease order preparation time.
- Increased revenue by more than 20% over the course of the pandemic and managed around \$30,000 in weekly transactions.

RECENT PROJECTS

Options Price Forecasting

April 2023

- Implemented different deep learning models for predicting option prices.
- Tools used: TensorFlow, Python

Fingertip Position Estimation of a Robotic Hand

December 2022

- Built a convolutional neural network to estimate the position of fingertips on a robotic hand.
- Tools used: PyTorch, Python

Competitiveness of Local Government Pay

November 2022

- Conducted an analysis of the competitiveness of local government pay using different big data tools.
- Tools used: Hadoop (MapReduce and HDFS), Hive, Impala, Spark, Java, Scala

ADDITIONAL SKILLS

Technical Skills: Java, JavaScript, C, SQL, PostgreSQL, MongoDB