

Roy Zhou

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EDUCATION

New York University

New York, NY

B.A. in Computer Science and Data Science (GPA: 3.6)

In Progress: May 2023

- Relevant Courses: Processing Big Data for Analytics Applications, Introduction to Machine Learning, Data Management and Analysis, Basic Algorithms, Operating Systems, Computer Systems Organization, Data Structures, Probability and Statistics, Calculus II, Linear Algebra, Discrete Math

WORK EXPERIENCE

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 learned and used: Java, Java Servlets, JUnit, Unix, Git, Gradle, AWS

Assistant Operations Manager

June 2019 - Present

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.

PROJECTS

Fingertip Estimation of a Robot Hand

December 2022

- Implemented a convolutional neural network that accepts images of a robotic hand and returns the position of each fingertip.
- 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

LEADERSHIP EXPERIENCE

Senior Advisor

September 2021 - Present

NYU Chinese Mei Society

New York, NY

- Advised members of the club and participated in weekly meetings to plan future events.
- Oversaw the restructuring of the club's executive board in response to its growth, as well as to increase member participation.

ADDITIONAL SKILLS

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