

Simao (Alice) Chen

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EDUCATION

New York University, Tandon School of Engineering New York, NY
MS, Computer Science, Software Engineering Track, Dec 2022

- Courses: Algorithms, Operating Systems, Java Programming, Language Theorems, Databases, Data Science

Fordham University New York, NY
MS, Accounting Data Analytics, STEM track May 2020

- Courses: Computer Programming with C++, Data Structures, Programming with Python
- President – Fordham Accounting and Tax Society (FAcTs)

Hamilton College Clinton, NY
BA, Mathematics and Government May 2018

- Courses: Calculus III, Linear Algebra, Modern Algebra, Statistics, Applied Stats, Real Analysis, Differential Equations, Knot Theory, Proofs and Fundamentals
- Treasurer – Running Club

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C, C++, Julia, Haskell, SQL(MySQL, Postgres)

UI Web Technologies and Frameworks: CSS, Bootstrap, HTML, React, Django, Django REST Framework

IDE: IntelliJ, Visual Studio, PyCharm, Eclipse, Atom

PROJECTS

[Airbnb Database Streamlit – SQL and Python](#)

- Modeled Airbnb Database system and used PostgreSQL, Python, and Streamlit framework to build a webpage where users can ask questions about hosts, listings, and reservations and get answers promptly.

[Interactive Yahtzee! game with GUI board design and Database – Java and SQL](#)

- Designed Yahtzee! using Java, GUI, Socket, Database to allow users fully utilize both upper level and lower level to maximize their scores, interact with the gameboard, and store their information and scores.

[Inventory Management System for Tech Company - Python](#)

- Built an inventory application for a tech company to maintain, add, and retire their resources (CPU, GPU, etc) using separate classes, and tested the code with PyTest.

[Full Stack Web Development in Python, JavaScript, HTML and Django](#)

- Created a Web App with personalized Frontend and Backend support for an interactive real estate website.

EXPERIENCE

NYU, Tandon School of Engineering Admissions Office New York, NY
Graduate Assistant 2021-present

- Communicates with peer GAs, school staff and faculty regarding internal audit progress
- Supports prospective students navigate their applications and troubleshoots their IT-related questions

Standard Industries New York, NY
Finance Intern 2019-2020

- Forecasted financial capital allocation and analyzed budget variances with a team of analysts
- Contributed to A/P functions by updating accounting information systems and software with IT specialists

Zelin & Associates CPA LLC New York, NY
Audit/Advisory Intern 2019

- Participated in audit and advisory projects with clients and CPAs to assess risks and analyze financial statements
- Strengthened client relationships by recommending new IT Audit policies to improve financial performance

ADDITIONAL

Hobbies: Reading; Photography; Running - Brooklyn Beach Half Marathon, 2019; Skunk Cabbage Classic Half Marathon, 2018; Syracuse Empire Half Marathon 2017