Tianqi Zhao

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EDUCATION

Bachelor of Science in Computer Science   September 2018–May 2023
Columbia University, New York, NY
- GPA: 3.84
- Relevant coursework: Programming in Java, Techniques in Calculus, Advanced Programming Techniques, Data Structures and the Fundamentals of Computing, Linear Algebra, Introduction to Data Mining, Introduction to Microeconomics, Discrete Math, Web App Development, Operating Systems, Software Entrepreneurship, and Natural Language Processing

EXPERIENCE

Software Quality Assurance Tester
Twelve, New York, NY   Aug 2021–present
- Diagnose app bugs, analyze any discrepancies in UI Design, and write a detailed report to the company each week. 70% of the suggestions are pushed to the stack and are expected to come out in the next few versions.

Computer Science Office Research Assistant
Brandeis University, Waltham, MA   October 2019–Aug 2021
- Assisted with Big Data research conducted by the computer science office by using Python to extract alumni data and other colleges' department information efficiently, improving the work efficiency by 80%.
- Examined alumni's LinkedIn data to summarize the career trends of graduates and used data visualization tools like Power BI and Google Sheets to display the results.

Data Science Intern
Clyde AI, New York, NY   May 2021–July 2021
- Developed a Monte Carlo tree search algorithm using Python to find the optimal permutation of credit cards that would trigger the highest user clickthrough rates. The time efficiency is 5 times faster than before and scalable for real world data

Undergraduate Research Fellow   December 2020–July 2021
Brandeis University, Waltham, MA
- Researched natural language processing and reinforcement learning with Professor Constantine Lignos.
- Received the undergraduate summer research fellowship award.

Software Engineering Intern
Elphi, Inc., Boston, MA   December 2020–January 2021
- Developed both front-end and back-end user interfaces for mortgage lenders to view and manipulate all the borrowers' information using React.js and used Firebase API for retrieving and storing the data.
- Implemented the Material UI design and corresponding React Framework in the current interface.
- Revamped and programmed the comparators' user interface using Material UI, React.js, React-Select API, Reactstrap API, and CSS so that mortgage lenders could compare, filter, and view their tasks. Led the front-end team by organizing and documenting all the tasks and files to improve the team's efficiency.

Project Leader
Brandeis University, Waltham, MA   May 2019–December 2020
- Initiated a project with Brandeis Counseling Center to automate the process of downloading survey responses on the Qualtrics software, uploading the responses to the Power BI platform, and visualizing the results for counselors on Power BI using Python. Improved the time efficiency of this process by 90%.

Software Engineering Intern
Fortune International Factoring Co., Ltd, Beijing, China   June 2019–August 2019
- Programmed a factoring platform with the IT team using Java and established a Continuous Integration and Continuous Development strategy, improving team efficiency by 60%.

SKILLS

Java, Python, Html 5, CSS, JavaScript, C#, Node.js, React.js, MongoDB, MySQL