RIYUAN LIU

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EDUCATION

City College of New York, CUNY   **Sept 2020 - Dec 2021**
Bachelor of Science, Computer Science GPA: 3.5
Relevant Courses: Writing for Engineering, Calculus I, Intro to Comp Science
Hunter College, CUNY   Expected May 2025
Bachelor of Arts, Computer Science GPA: 3.5
Relevant Courses: Data Structures and Algorithms **(**Software Analysis & Design sequence), Discrete Structures, Computer Architecture I/II, Graph Theory, Intro to Data Science, Statistics

EXPERIENCE

Hunter College Computer Science Department   New York, NY
Undergrad Teaching Assistant, CS 127   August 2023 - Present
- Facilitate daily tutoring sessions for approximately 30 students, providing foundational knowledge
- of computer science of MIPS and Python.
- Proctor quizzes, midterms, and final examinations effectively, ensuring academic integrity.
- Manage tutoring room operations, coordinate student appointments in an orderly manner to best
- accommodate individuals, and improve my communication skills.

Google+ Basta   Remote
Google Software Engineering Program | Mentee   February 2023 - October 2023
- Selected as one of 66 participants, outperforming 130+ applicants, to participate in 10 weeks of rigorous, technical mentoring sessions with a Google SWE and workshops designed to enhance technical problem-solving, basics of backend development, and interview skills.
- Learn the use of Git workflow, project management, and open-source version control.

Amazon   New York, NY
Warehouse Team Member   July 2020 - September 2020
- Perform various tasks related to receiving, storing, and distributing materials within the warehouse.
- Efficiently and accurately handle inventory by ensuring proper labeling, counting, and organization of goods, and teamwork with team members to fulfill orders and ensure timely and accurate delivery of products.

PROJECTS

Tetris ([GitHub](#))   06/10/2023
- *The project aims to develop the backend of a classic Tetris game using the C++ programming language and the frontend using the SFML (Simple and Fast Multimedia Library) framework.*
- The game will be implemented using object-oriented programming principles to ensure the codebase's modularity, reusability, and maintainability, and provide a readable structured game.

CGPA ([GitHub](#))   03/23/2022
- *A command-line tool written in C++ for calculating GPA (Grade Point Average) for individual college courses and CGPA (Cumulative Grade Point Average) for multiple courses.*
- It offers a user-friendly menu, allows input of course details and assignments, and provides the calculated GPA or CGPA, making academic performance assessment easy.

Sudoku ([GitHub](#))   04/16/2023
- *A Sudoku Solver program is an application designed to solve Sudoku puzzles, a popular number-placement game, by finding a valid solution that satisfies the rules of the game.*

Calculator App([GitHub](#))   12/28/2023
- Recreated iOS calculator app with additional features, such as real-time function and result display for step-by-step. Developed using Swift, and Xcode, emphasizing UI/UX design

Personal Website ([GitHub](#))   12/28/2023
- Create a personal website that uses CSS and JavaScript for animation, including sections of my portfolio in web development, web application, and application development.

SKILLS

Skills: Lightroom, Photoshop, Google AdWords, C/C++, Python(Pandas, Matplotlib, Sklearn, Pytest, Numpy) HTML/CSS, SQL, MySQL, MongoDB, Linux/Unix(Arch OS), AWS, MIPS, React, Swift
Interests: Backend, Full stack, Database management, crypto, machine learning, robotics
Certifications: Microsoft Office Specialist: Word 2013