Ruitian (Victor) Ding

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EDUCATION

New York University, New York, USA | May 2025
Bachelor of Science in Computer Science, Minor in Math, GPA: 4.00
- Relevant Coursework: Data Structure, Algorithms, Database, Computer Architecture, Computer security, Software Engineering, Operating System, Computer Networking
- NYU Tandon Global Leaders and Scholars in STEM

EXPERIENCE

The Global Tech Experience – Coding for the web, Online
Member, May 2023 – August 2023
- Developed technical skills in creating webpages as well as teamwork and intercultural skills
- Completed web development projects with JavaScript, HTML, and CSS that integrate external APIs in teams and individually

NYUAD Center for Cybersecurity, Abu Dhabi, UAE
Researcher, January 2023 – Present
- Researched security vulnerabilities of machine learning
- Wrote a Python machine learning program with PyTorch that can create naturalistic patches that allow wearer to evade object detectors and created a web interface for the program with HTML and Python
- Second author of the paper "DAP: A Dynamic Adversarial Patch for Evading Person Detectors"

NYU Ai4ce Lab, New York, USA
Research Assistant, October 2022 – May 2023
- Researched using reinforcement learning to generate 3D cities

Air ticket booking website, New York, USA
Developer, October 2022 – November 2022
- Created an air ticket booking website with HTML and Python that stores data in a database using SQL.
- Built extensive functionalities that allow users to register, search for flights, purchase tickets, view their flights, cancel tickets, give ratings, and track spending.

NYU RoboSub, New York, USA
Team Lead, January 2022 – Present
- Lead the development of the program for the robot to complete tasks autonomously with 19 members using an agile process adapted from Scrum
- Maintained good communication to ensure tasks are finished on time

AI sudoku
Developer, July 2021
- Wrote a program in C that can solve sudoku by framing it as a constraint satisfaction problem and using AC-3 algorithm to solve the problem

Android App Alacrity
Developer, August 2019 – July 2020
- Developed an anti-procrastination app with Java and XML in Android Studio that allows users to plan their days, set notifications and timers, and track their performance
- Solved problems encountered through debugging and independent research

SKILLS

Proficiency in Python, Flask, Java, C++, SQL, C, HTML, CSS, JavaScript (Node.js), XML, Bootstrap, and Git
Bilingual literary and technical fluency in English and Chinese
Good written and verbal communication skills

Interests

English and Chinese literature, Violin, Cooking