

Ruitian (Victor) Ding

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EDUCATION

New York University, New York, USA | Sep 2021 - May 2025

Bachelor of Science in Computer Science, Minor in Math and Cybersecurity, 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, Pearl Brownstein Junior Award

EXPERIENCE

10Clear, Software engineering intern- New York, USA

Sep 2024 – Present

- Worked with other software engineers on the project of using large language model to assess whether financial documents meet regulatory compliances and identify any problem.
- Wrote an algorithm that segments the financial document with an accuracy of 99.94%, which is an improvement of over 20% from previous method.

NYUAD Center for Cybersecurity, Researcher - Abu Dhabi, UAE

Jan 2023 – Present

- Researched security vulnerabilities of machine learning that is used in the paper *DAP: A Dynamic Adversarial Patch for Evading Person Detectors* as the second author. The paper is accepted to the CVPR conference.
- Developed a 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.
- Got 2023 Best Researcher Award from eBRAIN Lab.

NYU RoboSub, President – New York, USA

January 2022 – May 2024

- Led the implementation of the program for the robot to complete tasks autonomously using an agile process adapted from Scrum.
- Wrote the Python and Arduino programs for the robot to complete various tasks autonomously.
- Organized meetings and created schedule for the entire team. Handled various administrative affair.
- Maintained good communication with the entire team to ensure tasks are finished on time

PROJECTS

Ctrl-X

January 2024 – May 2024

- Worked in a group of five to create an automated penetration testing software that conducts network scan, run exploits, and output a easy to understand report. It uses HTML, CSS, and JavaScript for front end, Python and RabbitMQ for backend, and PostgreSQL for database.
- Implemented data processing pipeline that parse output from Nmap scanner to find vulnerabilities that can be attacked with Metasploit and extract important information from Metasploit output to feed into Gemma 2B LLM to produce a report. Assisted with creating the frontend and integrating the database.

Recipe Sharing Website

December 2023 – February 2024

- Created a recipe-sharing website with HTML, CSS, JavaScript, and Node.js that stores data in a MongoDB database.
- Built functionalities that allows users to upload recipes, filter recipes based on their preference, save recipes, and provide feedback to recipes.

Android App Alacrity

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

Programming languages: Git, Python, Flask, PyTorch, Java, C++, C, SQL, MongoDB, HTML, CSS, JavaScript, TypeScript, Express.js, Node.js, XML, Bootstrap, Arduino, and Swift

Language: Fluent in English; Fluent in Chinese

Certificates: ISC² Certified in Cybersecurity