Tian(Maxwell) Yang

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Education

New York University, Tandon School of Engineering, Brooklyn, NY   *Sep 2019-Dec 2022*
Bachelor of Science, Computer Science, **GPA: 3.902**
Relevant Coursework: Introduction to Data Structures and Algorithm(A), Object-Oriented Programming(A-), Introduction to Databases(A), Computer Architecture and Organization(A), Introduction to Algorithms(A), Computer Networking(A), Introduction to Operating Systems(A), Computer Security(A), Network Security(A), Design and Implementation of Programming Languages(A), Software Engineering(A-), Introduction to Parallel & Distributed Systems(A), Penetration Testing and Vulnerability Analysis(A-), Design Project(A), Introduction to Machine Learning(A)

Skills

Programming Languages: Python, Javascript, C, Go, Lua, Shell
***Other*:** Flask, Fastapi, SQLalchemy, React.js, MySQL, SQLite, PostgreSQL, Git, Unity3D
Language: English, Mandarin

Experience

Software Engineer Internship: *Meta Inc., Menlo Park, CA*   *May 2022-Aug 2022*
- Work in Instagram Supply & Demand team

Research Assistant: *New York University, College of Art and Science, New York, NY*   *March 2022-Present*
- Research & develop an automated feedback system for Computer Networking class assignments
- Aim to expand this system to all computer science assignments

Teaching Assistant: *New York University, Tandon School of Engineering, New York, NY*   *Sep 2021-Dec 2021*
- Assisted the professor in managing the *Introduction to Operating System class* with 115 students in it
- Collaborated with professor and other TAs to create assignments for students
- Answered students' questions online and host weekly office hours
- Graded assignments on a biweekly basis

Software Engineer Intern: *Bombardier NUG, Technical Department, Changzhou, China*   *Jun 2021-Aug 2021*
- Improved the logging system of the Automatic Train Control system used by movers from Bombardier NUG
- Devised a newly deployed Train Physical Health system written in Python

Projects

Debate It, *Leader, Scrum Master, Frontend Developer* (Python, Javascript)   *Sep 2021-May 2022*
- Lead a group of 4 developers to develop a 1 vs 1 open debate platform called *Debate It*
- Host daily scrum meetings and weekly sprint planning meetings
- Implement the frontend with React.js and Bulma CSS
- Supervise the development of backend RESTful API, including coaching the backend team and reviewing their code

Anubis Learning Management System, Repo**,** *Collaborator* (Python, Javascript)   *Aug 2021-Present*
- Contribute code to an open-source project called Anubis, an LMS for CS courses used by more than 500 students at NYU
- Researching, developing, and integrating a plagiarism detection tool to Anubis. Repo
- Collaborated with the maintainer to restructure the authorization hierarchy #162
- Implemented Github SSO #259

Online Plane Ticket Booking System, Repo*, Developer* (Python)   *May 2020-May 2020*
- Developed an online plane ticket booking system with Python+Flask+Bootstrap with corresponding plugins
- Implemented flight lookup, single-trip, and round-trip booking, staff adding or changing flight information

Chip-8 Emulator, Repo*, Developer* (Python)   *Aug 2019-Aug 2019*
- Developed the Chip-8 Emulator in Python

- Wrote a blog in Chinese explaining the technical details of this emulator

Honors

The Myron M. Rosenthal Computer Science Award, Highest academic standing among computer science and engineering junior at NYU Tandon School of Engineering   May 2022
ICPC, Advanced from ICPC North America Qualifier to ICPC North America Division Championship   *Mar 2021*
Google Hashcode Competition, 1st place in the NYU hub   Feb 2020
IEEExtreme13.0 programming competition, Rank: 720/2534   Sep 2019