XIANGMIN MO

Elmhurst, NY 11373 | xiangminmo6121@gmail.com | (718) 395-0791
https://mxmsunny.github.io/ | https://www.linkedin.com/in/xiangminmo/ | https://github.com/mxmsunny

EDUCATION

City University of New York Hunter College | New York, NY   **Expected May 2021**
Bachelor of Arts in Computer Science and Chinese, Minor in Mathematics, GPA 3.60/4.00

National Taiwan University | *Study Abroad* | Taipei City, Taiwan   **June 2018 – August 2018**
Completed Flagship Summer Program provided by the International Chinese Language Program, GPA 4.00/4.00

SKILLS

Programming Languages: Python, C++, HTML, CSS, JavaScript
Technologies: Git/GitHub, React, Node.js/Express.js, MongoDB, MySQL, postgreSQL
Spoken Languages: Fluent in Mandarin and English

PROJECTS

Hybrid Wireless Network Simulation | New York, NY   **November 2019 – December 2019**
Languages: *Python*

- Simulated a secondary wireless network using shortest path and channel allocation algorithms in a group of six, with three teams of two that focused on the GUI, Integration, and Core Logic.
- Used object-oriented programming in Python 3, as well as NumPy, to make implementing the core logic more maintainable and modular.
- Considered hidden and exposed terminal problems using the transmission range of the nodes, eliminated co-channel and adjacent channel interference, and allocated available channels to connecting nodes at a particular time event.

Open Source New York (OSNY) App | New York, NY   **February 2019 – December 2019**
Languages: *HTML/CSS, JavaScript*

- Collaborated to build an open source app that tracks all pull requests of a specific user in a GitHub repository.
- Reviewed and added documentation and pull requests for new features in the app.
- Contributed to the user interface and user experience using HTML and CSS in ReactJS, which created a clear, consistent, and compact website.

WORK EXPERIENCE

CUNY Tutor Corps | New York, NY   **January 2019 – June 2019**
High School Tutor

- Assist computer science teachers by observing students and answering questions about HTML, CSS, Scratch, and p5.js.
- Reinforce students' understanding of difficult computer science questions by providing real-life examples and applications.
- Provide alternative methods to commonly asked coding questions to enhance students' critical thinking skills.

Kumon at Gramercy Park | New York, NY   **January 2017 – May 2018**
Assistant Grader

- Initiated discussions with instructors on new methods of grading students' work that corresponds to their level, which improved students' understanding of topics by 70-80%.
- Collaborated with coworkers to prepare individual work folders for students for every class.
- Tracked every students' performances and documented necessary improvements for the instructors' consideration.

RELEVANT COURSEWORK

Software & Design Analysis (C++ Level 3) | Open Source Software Development | Database Management

AWARDS AND HONORS

- Dean's List, Hunter College   **2016 – Present**
- Best use of Google Cloud Platform, SBUHacks, Stony Brook   **2018**
- Best Social Impact: Good for Mankind, Hack@CEWIT, Stony Brook   **2020**