JIAN WANG

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY   **Expected May 2023**

Bachelor of Science, Computer Science

Overall GPA: 3.59

Relevant Courses

Intermediate Design and Programming for the Web, Object-Oriented Programming and Data Structures, Data Structures and Functional Programming, Introduction to Algorithms, Introduction to Computer Networks (in progress), Introduction to Computer Vision (in progress)

WORK EXPERIENCE

Cornell CMSX Development Team, *Backend Developer*   **August 2020 - Present**

- Build and maintain a course management system of 8000+ users with a collaborative team of students.
- Refactored key features' codes with dependency injection principles to allow for an addition of over 200 automated tests to previously hard-to-test classes in collaboration with a five-member team.
- Wrote and tested APIs to migrate features to the latest version of the site.

PROJECTS

Image Gallery Website, *Fullstack Developer*   **March - April 2020**

- Designed and coded the user interface of a music-themed image sharing site using HTML and CSS.
- Implemented backend functionalities including uploading, deleting, and tagging with PHP.
- Constructed a many-to-many relational database with SQLite to support storing, removing, searching, and tagging image files.

Command-line MahJong Board Game, *Developer*   **October - December 2020**

- Coded a text-based version of the traditional Asian board game MahJong using OCaml with a team of three.
- Structured the code base with principles of modularization and encapsulation to smooth collaboration among the developers.
- Designed and implemented the game's flow and interface to ensure robustness against players' inputs and a user-friendly experience.

VOLUNTEER WORK

High School Computer Science Tutor, *Voluntary Tutor*   **September 2016 - May 2017**

- Organized tutoring classes for underclassmen with a collaborative group of student tutors.
- Planned and taught semester-long courses for a class of 6 in Python programming and data structures.

ON-CAMPUS INVOLVEMENT

Cornell Eastern Music Ensemble, *Member*   **Fall 2019 - Present**

SKILLS

Programming: Java, OCaml, Python, HTML, CSS, PHP, SQL.

Technologies and Frameworks: React.js, Postman, Git version control, Intellij IDEA, Visual Studio Code.

Foreign Language: Mandarin Chinese (Native proficiency)