Iris Zhao

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EDUCATION

Cornell University College of Agriculture and Life Sciences, Ithaca, NY   May 2019

Bachelors of Science | Information Science and Biological Science Double Major | GPA: 3.65

Relevant Coursework: Object Oriented Programming, Business Intelligence Systems, Human Computer Interaction, Data-driven Web Applications, Designing Technologies for Social Impact, Rapid Prototyping and Physical Computing

Stuyvesant High School | High School Diploma   May 2015

PORTFOLIO & PROJECTS

Water Text Exhibit Machine *a Machine*   August 2018 - December 2018
- Worked with Java and C++ on Arduino Uno to produce a display using water
- Created a Java algorithm to allow real-time updates based on text input
- Designed and built display using 3D-printed casing and liquid valves

Wallpaper Library *a Website*   February 2018 - May 2018
- Designed and created an image gallery website using PHP, HTML, and CSS
- Built a database using SQL that updated in real time to accommodate live inputs from user
- Functions include login/logout; upload/delete files; search and sort database across multiple criterias

Certified Desktop Compliance Report for Cornell IT *an Information Display*   August 2018 - December 2018
- Compiled client gathered data from AWS into visualizations using Tableau
- Generated data models with fact tables and data dictionaries for client presentation
- Utilized SQL manipulations to organize and visualize individual progress of clients within the program

SKILLS & LANGUAGES

Proficient   **Familiar**

Python, Java, MySQL, PHP   HTML/CSS, Git, C++, Javascript, Tableau, Matlab

Cantonese, Mandarin

WORK EXPERIENCE

Teaching Assistant at Cornell University | *Designing and Programming for the Web*   August 2018 - May 2019
- Held small group classes for both introductory and intermediate web design
- Taught various coding languages including HTML/CSS, JavaScript, SQL, and PHP
- Assisted students in creating, designing, and presenting completed websites to their professional clients

Student Researcher at Cornell University | *Laboratory of Rational Decision Making*   May 2018 - May 2019
- Conducted and managed logistics for neuroscience EEG study to research human decision making
- Proposed and implemented new outreach strategies attaining over 300 participant interests
- Compiled participant data using Python and Matlab scripts to generate EEG hotspot visualizations