JEFFREY WONG

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EDUCATION

Stony Brook University (Stony Brook, NY)   **August 2016 – May 2020**
Graduated: May 2020
Major: Computer Science; *GPA*: 3.76
Awards: Dean's List for Fall 2016 to Spring 2020
Relevant Courses: Data Structures, Analysis of Algorithms, Computer Networks, Principles of Database Systems, Internet Programming, Scripting Languages, Cloud Computing, Computer Security Fundamentals

EXPERIENCE

Masu Internet   **May 2017 - August 2017**
Web Development Intern
- Cooperated with other interns to redesign the website of STUF United, a non-profit organization.
- Streamlined the website's layout and design to provide easier access to critical information.
- Increased user attraction and retention rates by 50% and increased average total monthly donations by $15.
- Cooperated with another intern to create a life insurance quote website with a survey that collects participant information into a database.
- Communicated with clients to ensure that websites created met their standards by creating prototypes and showing in-progress sites.

PROJECTS

Other projects can be found at my personal site: jeffrewong.github.io

Twitter Clone   **Technologies used: JavaScript, NodeJS, MongoDB, HTML**
- Course project aimed at emulating the functionality and user capacity of Twitter in its early stages on a cloud environment across virtual machines.
- Created API endpoints that handle basic Twitter functionality such as user posts, likes and shares of said posts, search, media upload and display.
- Reached ~600 concurrent requests per second with a 95% tail latency of ~160ms.

State Redistricting System   **Technologies used: Java, Python, HTML, CSS, AngularJS**
- Capstone project that focused on redrawing voting district lines to minimize voter unfairness for potential use in political science studies.
- Created a RESTful API to handle client requests for district generation, front-end map updates as the redistricting algorithm runs, and the generation of statistics about the redistricted map.
- Utilized the Leaflet map API to display state, district, and precinct level data and boundaries.
- Persisted redistricted maps into a MySQL database to allow the user to load and compare them with each other.

Course Site Manager   **Technologies used: Java, HTML, CSS, JavaScript**
- Course project aimed at assisting Stony Brook University professors in generating and managing the content of course sites.
- Utilized JavaFX to provide a user interface for course site customization and persisted user selections in JSON format for later use and for generating sites.

SKILLS
- Proficient with: Java, JavaScript, Python
- Familiar/Knowledge of: HTML, CSS, C, PHP, SQL