

# JEFFREY WONG

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## **EDUCATION**

**Stony Brook University (Stony Brook, NY)**

**August 2016 – 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

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## **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.

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## **PROJECTS**

**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.
- Created API endpoints that handle basic Twitter functionality such as user posts, likes and shares of said posts, search, and media upload.
- 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 and for front-end map updates as the redistricting algorithm runs.
- Utilized the Leaflet map API to display state, district, and precinct level data and boundaries.

**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 generate the user interface for site customization.