

# JONATHAN WONG

Oyster Bay, NY 11771 | [wongj14@rpi.edu](mailto:wongj14@rpi.edu) | Jonathan-Wong.com

## OBJECTIVE

Seeking a summer internship in the region of data analytics, back-end or software development. Self-motivated student eager to assist your business with new techniques in information technology, while utilizing my programming experiences and relevant coursework.

## EDUCATION

**Rensselaer Polytechnic Institute (RPI)**, Troy, NY

Expected graduation: May 2022

- Bachelor of Science in Information Technology & Web Science, Concentration in Web Technologies; Cumulative GPA: 3.4.
- Recipient of the Rensselaer Leadership Award.
- Rensselaer Polytechnic Institute Dean's Honors List.

**Coursework:** Data Structures, Intro to Algorithms, Foundations of Computer Science, Computer Organization, Web Systems Development, Web Science & Systems Development, Intro to Human Computer Interaction, Information Technology & Society

## RELATED EXPERIENCE

**General Electric Digital Technology Leadership Program Intern**, Schenectady, NY

June 2020 – August 2020

- Enhanced technical automation for the GE identity and access management platform.
- Defined and formalized process documentation to clearly communicate proper identity management to GE's stakeholders.

**Data Analysis & Startup Lake**, Rensselaer Polytechnic Institute, Troy, NY

September 2019 – May 2020

*Undergraduate Research Position*

- Used text preprocessing techniques and the levenshtein algorithm to identify if Instagram profiles were influencers or brands.
- Created an algorithm to efficiently download images, each given a custom and identifiable name, from a Crunchbase AWS S3 bucket which saved directly to a designated folder.
- Queried through a large Kickstarter dataset to find founder and company information necessary to discover relationships in our Crunchbase dataset using the pandas library.

**Peer2Peer**

July 2019 - Present

*Personal Project created with MERN Stack (MongoDB, Express.js, React, Node.js)*

- Fully functional login system using JSON Web Tokens, hashed passwords, authentication, and mongoose schemas.
- Integrated Socket.IO to create a real-time chat experience between multiple users.
- Constructed an asynchronous algorithm to repeatedly fetch weather data from an API.
- Created RESTful APIs using CRUD operations tested with Postman.

## LEADERSHIP & ACTIVITIES

**Sigma Sites**

May 2019 - Present

*Founder @ Sigmawebsites.com*

- Coordinate and assess website development deals with 2 business'.
- Integrate UX and UI to maximize user retention and provide ease of use and navigation, averaging 4,000 views per month.
- Manage domain names, web hosting, and website analytics to improve overall performance.

**HackRPI**, Rensselaer Polytechnic Institute, Troy, NY

March 2019 – Present

*Junior Director of Technology & Marketing*

- Developed a dashboard using NodeJS and Sockets for HackRPI to promote 20+ sponsors to send live messages and alerts during the hackathon.
- Incorporating marketing strategies to remodel HackRPI's website to include a dynamic and responsive user interface.

**Leadership Educators Advising Peers**, Rensselaer Polytechnic Institute, Troy, NY

April 2020 – Present

- Selected from competitive group to be trained in leadership education and workshop facilitation.
- Design and manage the facilitation of student and organizational workshops every semester.

**Sigma Alpha Epsilon Fraternity Technology Chair**, Rensselaer Polytechnic Institute, Troy, NY

March 2020 – Present

- Responsible for maintaining the chapter website every month and updating it with current information.
- Attend and participate in weekly meetings to deliver updates and future goals.

## SKILLS

**Programming Languages:** Python, C, C++, JavaScript, PHP, HTML/CSS

**Technologies & Frameworks:** NodeJS, React, Angular, Express, MongoDB, MySQL, Docker, Socket.IO, Pandas, NumPy, Matplotlib, Scikit-learn, jQuery, Bootstrap, Git, GitHub, Heroku, WordPress, Apache