

# JONATHAN WONG

Oyster Bay, NY 11771 | [wongj14@rpi.edu](mailto:wongj14@rpi.edu) | (516) 864-6370

## 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.

**Relevant 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,

**Future Coursework:** Managing IT Resources, Principles of Software, Operating Systems

## RELATED EXPERIENCE

**Incoming GE DTLP (Digital Technology Leadership Program) Intern**, Schenectady, NY

Summer 2020

- Manage and work on group-based projects within GE Power.

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

September 2019 - Present

*Undergraduate Research Position*

- Utilize Python libraries: Pandas, BeautifulSoup, to extract, parse, and store data from Crunchbase and Twitter to MongoDB.
- Analyze relationships between the collected data to create hypothesis' and conclusions.

**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 API to repeatedly fetch weather data from an online API database.
- Created RESTful APIs following CRUD operations and tested with Postman and Jest.

**Freelance WordPress Web Developer**

April 2019 - August 2019

- Integrated plugins into websites such as Google Reviews and a pop-up scheduling menu.
- Applied SEO techniques and created visually appealing user interfaces to maximize user experience and website performance.
- User retention increased and averages 3,000 views per month.
- Managed domain names, web hosting, and kept websites up to date with new updates and analytics reports.

## LEADERSHIP & ACTIVITIES

**Sigma Sites**

May 2019 - Present

*Founder*

- Coordinate and assess website development deals with 2 business'.
- Act as the project manager to undertake and perform tasks such as developing websites or reaching out to new clients.
- Integrate UX and UI design into each individual website to maximize user retention and provide ease of use and navigation.

**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.
- Remodeling HackRPI's website to include a dynamic and responsive user interface allowing for ease of use.
- Evaluate and develop marketing strategies to promote HackRPI.

**Piano Teacher**

December 2016 - August 2018

- Made observations to determine my 10 students' qualifications, limitations and abilities.
- Adapted teaching methods and instructional materials to meet students' varying needs and interests.

## SKILLS

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

**Technologies & Frameworks:** NodeJS, React, Angular, Express, MongoDB, Docker, Socket.IO, MySQL, jQuery, Bootstrap, API's, Git, GitHub, Heroku, WordPress, Apache, FileZilla, MS Office (Word, Excel, PowerPoint)