

Jonathan Sheng

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Houston, TX 77005

Education

RICE UNIVERSITY, Houston, TX

Expected: May 2023

- B.S. in Computer Science with a Minor in Data Science
- Related Coursework: Algorithmic Thinking, Computational Thinking, Multivariable Calculus, Fundamentals of Computer Engineering

JERICO SENIOR HIGH SCHOOL, Jericho, NY

June 2019

- GPA: 4.17/4.0 (Weighted) | SAT w/ Essay: 1590, 23
- U.S. Presidential Scholars Program Candidate
- National Merit Commended Scholar
- National AP Scholar and National AP Scholar with Distinction

Skills

- Computer: Python, HTML, CSS, JavaScript, Java, Git, R, MathML, XML
- Languages: French (Speaking and Writing Proficiency)

Relevant Experience and Projects

CONTENT DEVELOPMENT INTERN, OPENSTAX CNX, Houston, TX

November 2019–Present

- Assisted content managers with content production including:
 - Content manipulation, errata revisions, regression testing, etc
- Assisted content management with editorial and technical tasks across all OpenStax products
- Used ZenHub API to integrate information into our Slack, reporting clearer issue/event data

WEB DEVELOPER, BLACKBIRD MEDIA, Jericho, NY

November 2015–April 2019

- Developed website for social media agency run by fellow high school students
- Collaborated with a team to create a startup company
- Primarily focused on front-end design

INCOMING STUDENT FOR CAPITAL ONE SWE SUMMIT, Richmond, VA

May 2020

- “A small, exceptional group of freshmen and sophomores will be immersed in our startup-minded culture... taking part in technical and soft-skill training sessions... including iOS, Android, Web Development, AWS, Bot Development, Hardware, Machine Learning and more.”

BLACKJACK WEBSITE

- Developed website to play the Blackjack card game against computer dealer, using HTML, CSS, JS

YELP WEB APPLICATION

- Built web application using Yelp’s API to help users pick a restaurant, using HTML, JS, Python and frameworks, such as Flask and jQuery
- Plots merchants on map, obtains user location, displays trends about popular cuisines

ALGORITHMIC TRADING BOT

- Analyzed financial stock data in Python to systemize automated trading, using moving averages and correlations

Additional Experience

HOSPITAL VOLUNTEER, ST. MARY’S HOSPITAL FOR CHILDREN, Bayside, NY

September 2018–May 2019

- Assisted special needs patients in their daily activities, such as feeding, serving, and playing
- Worked with fellow patients to create a safe environment

TUTOR, SELF-EMPLOYED, Great Neck North, NY

September 2018 – May 2019

- Taught students in the core subjects and SAT
- Increased SAT scores by 200+ points
- Increased school test scores by 20%

Extracurricular Activities and Leadership

HANZSEN WEB MASTER, **RICE DATA SCIENCE CLUB TREASURER**