

# JONATHAN WANG

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## EDUCATION

### New York University, College of Arts and Science

New York, NY

Bachelor of Arts in Computer Science, Minor in Economics

September 2015 – May 2019

- Cumulative GPA: 3.40/4.00

## PROFESSIONAL EXPERIENCE

### Veeva Systems

Pleasanton, CA

Software Engineer - Vault Object Framework

July 2019 – Present

- Spearheaded redesign of objects used within Vault, increasing MySQL query efficiency by 40%
- Enabled objects to interact with one another asynchronously using Java
- Implemented regular expression parsing using validation rules on objects

### NYU Computer Science Department

New York, NY

Computer Science Tutor

August 2018 – January 2019

- Tutored over one hundred undergraduate students in Introduction to Computer Science in Java
- Taught students the fundamentals of programming, the object-oriented paradigm, and programming best practices
- Coordinated with professors to schedule one-on-one and group sessions to reinforce key topics for students

### American Museum of Natural History

New York, NY

Software Engineer Intern - Exhibitions

June 2018 – August 2018

- Constructed a backend application in Java for translating written languages in interactive exhibits using JSON
- Created depth-motion sensing interactives for prehistoric exhibit using Java, Processing and Kinect
- Developed museum's latest submarine interactive exhibition using Unity and C# in Oceans exhibit

### Industrial and Commercial Bank of China

New York, NY

Software Developer Intern

July 2017 – August 2017

- Overhauled internal website using HTML/CSS and JavaScript to modernize website design
- Wrote Python scripts that generated daily financial reports and automatically wrangled data for employees
- Used JavaScript and Bootstrap to create a searchable directory for over 500 employees

## Personal Projects

### Sentiment Analyzer

New York, NY

Developer

June 2018

- Created an NLP web scraper in Java that identifies suicidal Twitter users via sentiment analysis
- Identifies dangerous users using a combination of algorithms and libraries including Naive Bayes' and VADER

### Instrument Exchange

New York, NY

Developer

January 2019

- Created a web application using Node.js and MongoDB to rent and purchase musical equipment and studio space
- Integrated an interactive social media platform using Passport.js for authentication and registration

### Personal Website

New York, NY

Developer

February 2017

- Used HTML/CSS/JavaScript to create a supplementary website containing further resume details
- Link can be found here: [www.jon-wang.com](http://www.jon-wang.com)

## SKILLS & INTERESTS

- Languages: Java, Python, C, C#, HTML/CSS, JavaScript
- Technologies: MySQL, Node.js, MongoDB, JIRA, Git, Unity, JUnit, JQuery, Bootstrap
- Interests: Songwriting, Film Scoring, Piano, College A Cappella, Mandarin Chinese, YouTube Channel Management