

# Oliver Z. Wang

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## EDUCATION

**New York University**, Courant Institute of Mathematical Sciences, New York, NY  
Master of Science, Computer Science

Expected: May 2020

**New York University**, College of Arts and Science, New York, NY

Jan 2020

Bachelor of Science, Computer Science (GPA: 3.85)

Minor in Mathematics, Web Development

*Relevant Coursework: Real-time Big Data Analytics, Database Systems, Natural Language Processing*

## SKILLS

**Languages:** Java, Python, SQL, JavaScript, C, CSS, HTML, LaTeX

**Technologies:** Spark, MapReduce, Hive, Impala, Git, React, Django, Flask, MongoDB

**Other Skills:** Data Analysis, Agile Methodologies

## PROJECTS

**Trump Twitter Analytics** (MapReduce, Impala, Java, Python)

Summer 2020

- Collaborated with a teammate to analyze patterns in President Trump's tweets
- Built a web crawler with Python BeautifulSoup to collect and format data
- Developed MapReduce programs to clean and profile data
- Devised an algorithm to mark deviation of a tweet from trending topics
- Derived insights from data analytics using Impala and Tableau

**Expense Tracker Chatbot** (Python, Flask, MongoDB)

Spring 2020

- Competed in Facebook Messaging Hackathon
- Adopted "Chain of responsibility" pattern in processing users' messages
- Implemented methods to plan and record users' expenditures and to provide alerts and feedbacks

**LightShare - A Lightweight Content Publishing Platform** (MERN Stack)

Fall 2019

- Led a team of five as scrum master
- Designed, styled, and programmed frontend React components
- Experimented with unit testing and set up Travis CI
- "Worked together with least amount of conflict" as the professor observed
- Facilitated onboarding of a new teammate mid-way through

## EXPERIENCE

**Patient Support Intern: NewYork-Presbyterian Brooklyn Methodist Hospital**, Brooklyn, NY

Sep 2018 - Dec 2018

- Supported a team of more than 10 doctors, nurses, and administrators at an understaffed inpatient unit
- Monitored more than 30 patients at every shift and provided non-medical care
- Experimented with FCFS and SJF scheduling algorithms for fulfilling a queue of patient requests
- Educated patients and visitors on safety and preventive measures
- Responded to emergencies such as patient falling and aggressive patients/visitors

**Teaching Assistance - Intro to Programming: New York University**, New York, NY

May 2018 - Aug 2018

- Mentored more than 100 college and high school students
- Adopted different approaches to guiding students through more than 10 Python projects

## ACTIVITIES

BUGS - NYU Open Source Club

Spring 2020 - Present

NYU CS+Social Good

Fall 2019 - Present

Atlanta Track Club

Spring 2019 - Present

NYU Triathlon Club

Fall 2019 - Present

## INTERESTS

German and French Literature, East Asian Geopolitics, Cooking and baking, Fitness, Martial Arts