

# Oliver Z. Wang

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## EDUCATION

**New York University**, Courant Institute of Mathematical Sciences, New York, NY Dec 2021  
Master of Science, Computer Science

**New York University**, College of Arts and Science, New York, NY Dec 2020  
Bachelor of Science, Computer Science, Minor in Mathematics (GPA: 3.85)  
*Relevant Coursework: Real-time Big Data Analytics, Database Systems, Agile Software Development*

## SKILLS

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

**Tools:** MapReduce, Hive, Impala, Git, React, 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 Beautiful Soup 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 on a team of two
- Adopted "Chain of responsibility" pattern in processing user's messages
- Implemented methods to plan and record user's spendings and to provide alerts and feedbacks

**LightShare - A Lightweight Content Publishing Platform** (MERN Stack) Fall 2019

- Served as scrum master on a team of five
- 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