

Oliver Z. Wang

(646) 912-4911 • o.wang@nyu.edu • oliverzwang.github.io • github.com/OliverZWang

EDUCATION

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

Expected: May 2022

New York University, College of Arts and Science, New York, NY
Bachelor of Science, Computer Science (GPA: 3.86)
Minor in Mathematics, Web Development

Jan 2021

Relevant Coursework: Real-time Big Data Analytics, Database Systems, Agile Software Development

SKILLS

Languages: Java, Python, SQL, JavaScript, C, CSS, HTML, LaTeX
Technologies: Django, Flask, React, Spark, MapReduce, Hive, Impala, Git, 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: New York-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
NYU CS+Social Good
Atlanta Track Club
NYU Triathlon Club

Spring 2020 - Present
Fall 2019 - Present
Spring 2019 - Present
Fall 2019 - Present

INTERESTS

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