Oliver Z. Wang

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EDUCATION

New York University, Courant Institute of Mathematical Sciences, New York, NY   Jan 2021- Jan 2022
Master of Science, Computer Science

New York University, College of Arts and Science, New York, NY   May 2017- Jan 2021
Bachelor of Science, Computer Science (GPA: 3.86)
Minor in Mathematics, Web 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

EXPERIENCE

Full Stack Development Intern - *New York University*, New York, NY   Oct 2020 - Present
- Designed a software system for educators to request custom Ed Tech products from open source developers
- Recruited 4 faculty members, 3 developers, and a group of educators to participate
- Conducted biweekly requirements gathering interviews with end-users and stakeholders
- Built a Web API using the **Django REST framework**
- Implemented user interface with **Django, JavaScript, and React**

Software Development Intern - HumanID, New York, NY   Aug 2020 - Oct 2020
- Maintained console developers use to integrate anonymous sign-on system into applications
- Migrated development system from DreamHost to local machines to reduce monthly expenditure
- Educated other interns on **Django** framework, Git, and product requirements
- Reached out to senior developers in Canada and Indonesia to help troubleshoot setup errors interns commonly encountered

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 delivered 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 by offering advice and feedback on assignments and exams
- Adopted different approaches to guiding students through more than 10 **Python** projects

PROJECTS

Trump Twitter Analytics (MapReduce, Impala, Java, Python)   May 2020 - Aug 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)   Feb 2020 - Mar 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)   Sep 2019 - Dec 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
- Facilitated onboarding of a new teammate mid-way through