# 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:**          Python, Java, SQL, JavaScript, C, CSS, HTML, LaTex
**Technologies:**          Django, React, Spark, MapReduce, Hive, Impala, Git
**Other Skills:**          Data Analysis, Agile Methodologies

### PROJECTS

**EdTech Wishlist**  (Django, React.js, Django Rest Framework, JavaScript)          Oct 2020 -  Dec 2020
- Designed a software system for educators to request custom Ed Tech products from open source developers
- Implemented CRUD functionality and authentication system
- Deployed the application to Heroku with static files hosted on AWS S3
- Built a Web API using the **Django REST framework**
- https://edtech-wishlist.herokuapp.com/

**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

### EXPERIENCE

**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