Oliver Z. Wang

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EDUCATION

New York University, Courant Institute of Mathematical Sciences, New York, NY   Jan 2021- May 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

PROJECTS

EdTech Wishlist (Django, Python)   Oct 2020 - Dec 2020
- Designed a web app for educators to request custom Ed Tech products from open source developers
- Programmed CRUD functionality and authentication system
- Built "comment" feature to allow asynchronous communication between users
- Implemented signup, login, and password retrieval functions
- Deployed application to Heroku with static files hosted on AWS S3
- https://edtech-wishlist.herokuapp.com/

Covid-19 News VADER Sentiment Analysis (Python, Natural Language Processing)   Oct 2020 - Dec 2020
- Constructed object-oriented pipeline to analyze Covid-19 news sentiment
- Automated tuning of VADER sentiment analysis model
- Experimented with numerous scoring methods to optimize sentiment predictions
- Presented findings in ACL-style report with two teammates

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

SKILLS

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

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 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

ACTIVITIES

- NYU Triathlon Club   Fall 2019 - Present
- Atlanta Track Club   Spring 2019 - Present

ACTIVITIES

German and French Literature, New American and Italian Cooking, East Asian Geopolitics, Krav Maga and Boxing