OLIVER Z. WANG

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EDUCATION

Master of Science, Computer Science, New York University   Expected May 2022
Relevant Coursework: Compiler Constructions, Computer Networks, and Database Systems
GPA: 3.89/4.00

Bachelor of Arts, Computer Science, New York University   Sep 2017 - Jan 2021
Minor in Mathematics and Web Development
Relevant Coursework: Agile Software Development, Big Data Analytics, Natural Language Processing
GPA: 3.86/4.00

SKILLS

Languages	Python, Java, JavaScript, C, SQL, HTML, CSS, LaTeX
Technical Skills	Django, React, NumPy, Git, Linux, AWS, MapReduce, Hive, Impala
Other Skills	Agile Methodologies, Data Analysis

EXPERIENCE

Teaching Assistance - Intro to Programming   May 2018 - Aug 2018
New York University   *New York, NY*

- Taught Python Programming to over 100 college and high school students
- Adopted different approaches to guiding students through over 10 Python projects
- Received positive reviews from supervisor and all students worked with

PROJECTS

EdTech WishList - Django, Python (edtech-wishlist.herokuapp.com)

- Built a web app for educators to request custom Ed Tech products from open source developers
- Implemented CRUD functionality, authentication system, and "comment" feature to facilitate communication among users
- Constructed a mail server to allow users to retrieve password by email
- Hosted static files on AWS S3 to optimize storage management

Covid-19 New VADER Sentiment Analysis - Python (github.com/OliverZWang/CovidNewSentiment)

- Implemented object-oriented pipeline to analyze Covid-19 news obtained from the GDELT project
- Automated tuning of VADER to efficiently construct a modified model that outperforms original VADER and GDELT sentiment prediction models

Trump Twitter Analytics - Java, Python, Hadoop (github.com/OliverZWang/TrumpTwitterDeviation)

- Leveraged Hadoop tools to analyze President Trump's tweets to identify patterns of tweeting behaviors in response to major news events
- Built a web crawler with Python Beautiful Soup that collects and formats trending news data

Expense Tracker Chatbot - Flask, Python, MongoDB (facebook.com/Expense-Tracker-104546267847388)

- Developed a chatbot to help users plan and record expenditures and provide alerts and feedbacks using "Chain of responsibility" design pattern
- Competed in Facebook Messaging Hackathon