

OLIVER Z. WANG

+1(646) 912-4911 ◊ New York, NY

o.wang@nyu.edu ◊ github.com/OliverZWang ◊ linkedin.com/in/oliver-z-wang ◊ oliverzwang.github.io

EDUCATION

Master of Science, Computer Science, New York University
GPA: 4.00/4.00

Jan 2021 - May 2022 (Expected)

Bachelor of Arts, Computer Science, New York University
Minor in Mathematics and Web Development
GPA: 3.86/4.00

Sep 2017 - Jan 2021

SKILLS

Languages

Python, Java, JavaScript, SQL, HTML, CSS, L^AT_EX

Libraries and Frameworks

Django, Flask, React, Spring, Bootstrap, JQuery, NumPy, Pandas

Technical Skills

Docker, Git, Linux, AWS, Kafka, MapReduce

EXPERIENCE

Backend Engineering Intern
Sysdig, Inc.

Jun 2021 - Present
San Francisco, CA (Remote)

- Designed and implemented RESTful microservices with **Spring** that allow customization of data processing pipelines (e.g. options to start or pause capturing and processing of certain metrics)
- Refactored data processing components in **Kafka** to improve performance and maintainability
- Integrated test coverage tools and wrote automated tests using **Spock**, resulting in a 15% increase in code coverage

Full Stack Development Intern
Information Technology Department, The New School

May 2021 - Aug 2021
New York, NY (Remote)

- Implemented a **React** application (used by the Marketing and Communication Department and the XRealityLab at TNS) that authenticates users and dynamically renders interactive data visualizations
- Built a RESTful API using **Flask** to collect and analyze relevant data from tens of target social media accounts

SELECTED PROJECTS

ChocoPy Compiler - Java, RISC-V Assembly, Bash, Github Actions

- Built lexer, parser, semantic analyzer, and code generator for a static version of Python
- Implemented features such as indentation, symbol table tree, and dynamic stack size
- Let a team of 2 developers and constructed CI pipeline using Github Actions

E-Commerce Order Tracking System - Flask, jQuery, PostgreSQL, Docker, Vagrant

- Led a 5-person agile team to create a containerized order tracking application deployed to IBM Cloud
- Built Flask RESTful API to manage e-commerce orders and implemented a UI using jQuery
- Maintained 95% unit test coverage and wrote thorough integration tests

EdTech WishList - Django, Python, AWS (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