

# Brian Zou

**GitHub & Portfolio:** <https://github.com/brianzou03> | <https://brianzou03.github.io/>

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*Sophomore at NYU seeking a software engineering position for the summer to expand stack knowledge and contribute to meaningful projects. Possesses proper job experience working as a software developer team lead. Has 8 years of hands-on experience writing a variety of projects using an industry oriented stack.*

## PROFESSIONAL EXPERIENCE

### AiTudier

Chief Technical Officer

Remote

May 2022 - August 2022

- Hired, structured, and led a team of 20 software developer interns in the construction of a fully functional learning management system (LMS) using Flask, MySQL, ReactJS, and NodeJS.
- Built foundation for login system linked to a SMTP server protected by a JWT token and 2FA.
- Contributed in pioneering an in-browser Arduino compiler that sends updates via air with ESP8266.
- Created a grading system that stores and generates a composite grade to fit a standardized database.
- Helped deploy the LMS to Amazon AWS Cloud using EC2 and CodePipeline.

## PROJECTS

### Selenium Web Scraper

Python/Flask/Selenium ~ <https://github.com/brianzou03/selenium-web-scraper>

- Constructed a Python Selenium web scraper to gather data from the clothing website Pacsun.com.
- The user is able to view the product information via a query to the API, hosted on PostGreSQL.

### Plotly Dashboard

Python/Flask/Plotly ~ <https://github.com/brianzou03/plotly-dashboard>

- Created an interactive dashboard using Plotly Dash, Flask framework, and data from MySQL.
- Application takes data from MySQL table and writes to CSV file, which are then processed by Dash.

### NLTK Sentence Composer

Python/NLTK ~ <https://github.com/brianzou03/sentence-composer>

- Developed a Python sentence composer that utilizes NLTK to generate valid sentences.
- Sentence structure and grammar is parsed by GingerIt, then added to a part of speech list.

## EDUCATION

### New York University

Bachelor of Arts in Computer Science

GPA (3.917/4.00) - Dean's List

New York, NY

2021 - Expected 2025

## Technology Stack

- **Languages:** Java, Python, HTML/CSS, JavaScript
- **Frameworks:** Flask, Spring Boot
- **Databases/Cloud:** MySQL, PostGreSQL, Amazon AWS