

Brian Zou

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Sophomore at NYU seeking a paid software engineering position for the summer to improve stack 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

Software Developer Team Lead

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 using Flask, MySQL, ReactJS, and NodeJS.
- The LMS features a login system linked to a SMTP server protected by a JWT token and 2FA.
- Pioneered an in-browser Arduino compiler that sends updates over the air with ESP8266 wifi chip.
- Portal has a video pausing feature and separate interactive modules built to fit a standardized database.
- The entire AiTudier LMS is deployed on Amazon AWS Cloud using EC2 and CodePipeline.

PROJECTS

Python Selenium Web Scraper

Python/Flask/Selenium ~ <https://github.com/brianzou03/seleniumWebScraper>

- 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.

Python Plotly Dashboard

Python/Flask/Plotly ~ <https://github.com/brianzou03/plotlyDashboard>

- 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.

Python NLTK Sentence Composer

Python/NLTK ~ <https://github.com/brianzou03/sentenceComposer>

- 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