

SAMUEL OU

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Github <https://github.com/ousamuel> | Blog <https://medium.com/@samuelou510>

EDUCATION

Flatiron School

New York, NY | Jun 2023 - Sep 2023

- Software Engineering Bootcamp
- Full Stack Web Development

Stony Brook University, College of Arts and Sciences

Stony Brook, NY | Aug 2019 - May 2023

- *Bachelor of Science in Biology*
 - Relevant coursework: Statistics, Calculus 1 and 2, Physics 1 and 2
 - Cumulative GPA: 3.64/4.00
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PROJECTS

SteelStance - Fitness React-Flask Application: <https://github.com/ousamuel/fitness-app>

Sep 2023

- Developed a full-stack fitness application using Next.js and Flask with SQLAlchemy, featuring user authentication, RESTful API, and ORM
- Utilized REST APIs, CRUD, CORS, OOP
- Deployed on Vercel: <https://fitness-app-ousamuel.vercel.app/>

Auto Repair Website

Aug 2023

- Developed a full-stack website that provides services, scheduling, and sign-up options for users
- Utilized Next.js, Flask with SQLAlchemy, REST APIs, CRUD, CORS

Discord Clone - Community-Based React Application

Jul 2023

- Created an application that allows users to explore communities and channels for relevant posts based on different categories
- Gained an in-depth understanding of client side routing, APIs, and data storage

Subreddit Clone

Jun 2023

- Developed a dynamic web platform using JavaScript to display, and interact with user-generated posts retrieved from a public reddit API and stored into a local JSON database
 - Implemented user-friendly interface, allowing for upvotes/downvotes and saving posts via local storage
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TECHNICAL SKILLS

- Languages: Java, Python, JavaScript/HTML/CSS, SQL
 - Frameworks/Libraries: React, Next.js, Flask
 - Spoken languages: English, Mandarin and Cantonese (limited working proficiency)
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WORK EXPERIENCE AND EXTRACURRICULAR ACTIVITIES

Ambulnz Health - Docgo Smithtown, Long Island

Apr 2022 - Dec 2022

Emergency Medical Technician (EMT-B)

- Delivered basic life support and transportation for emergent and non-emergent patients
- Served as primary caregiver and completed patient care reports, in compliance with HIPAA and given protocol

Applied Mathematics in Modern Technology Teaching Assistant

SBU | Jan 2021 - May 2021

Stony Brook University

- Assisted professor in conducting lectures and grading assignments
- Held weekly office hours, including review sessions for exams and questions for general purposes