

SAMUEL OU

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

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**

TECHNICAL SKILLS

- Languages: Java, Python, JavaScript, HTML, CSS,
- Frameworks/Libraries: React, Express, Node.js, Next.js, Flask,
- Databases: MySQL, SQLite, MongoDB

PROJECTS

SteelStance - Fitness React-Flask Application: [GitHub Repository](#)

Sep 2023

- Developed a full-stack fitness application allowing users to calculate BMI, view and save powerlifting records, and manage personalized workout programs
- Created using Next.js and Flask with SQLAlchemy, utilizing user authentication, RESTful API, and ORM, CRUD, CORS, OOP, with frontend responsiveness
- Deployed on Vercel: <https://fitness-app-ousamuel.vercel.app/>

Auto Repair Website

Aug 2023

- Developed a full-stack website that provides auto repair services, appointment scheduling, and sign-up options for users with frontend responsiveness
- Streamlined communication between frontend and backend, collaborating closely with a partner to monitor Git changes and ensure smooth merges.
- Utilized Next.js, Flask with SQLAlchemy, REST APIs, CRUD, CORS

Discord/Pinterest Clone - Community-Based React Application

Jul 2023

- Collaborated to develop a hybrid application blending Pinterest's content sharing with Discord's user interface, enabling streamlined social media interactions, allowing users to view different communities with related posts
- Gained an in-depth understanding of client side routing, APIs, and local 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

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
- Demonstrated critical thinking and swift decision-making in high-pressure situations

Applied Mathematics in Modern Technology Teaching Assistant

Jan 2021 - May 2021

Stony Brook University

- Hosted review sessions to tutor students, assisting in problem-solving and clarifying difficult concepts