

# SAMUEL OU

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

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## 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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## TECHNICAL SKILLS

- Java, Python (Flask, SQLAlchemy), JavaScript (React, TypeScript, Express, Node.js, Next.js), HTML, CSS (Tailwind), Databases (MySQL, SQLite, MongoDB)

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## PERSONAL PROJECTS

### SteelStance: [GitHub Repository](#)

**Sep 2023**

- Developed a full-stack fitness application using React (Next.js and NextUI) allowing registered users to save/share personal records and manage personalized workout programs
- Employed RESTful API and Flask with SQLAlchemy ORM for persistence,
- Deployed on Vercel: <https://fitness-app-ousamuel.vercel.app/>

### Car Service/Market

**Aug 2023**

- Developed a full-stack website that provides auto repair services, appointment scheduling, and sign-up options for users with mobile responsiveness
- Streamlined communication between frontend (React) and backend (Python/Flask), collaborating closely with a partner to monitor Git changes and ensure smooth merges.
- Employed Next.js for app routing and Flask with SQLAlchemy ORM for persistence

### Discord/Pinterest Clone

**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 vanilla 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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## 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

### Teaching Positions

- Statistics & Chemistry Teaching Assistant at *Stony Brook University* **Jan 2022 - May 2023**
- After-school teacher at *FBC Summer Day Camp* **Jun 2021 - Aug 2021**
- Private tutor for Middle & High school students **Oct 2016 - Feb 2018**

