

# Samuel Ou

[samuelou510@gmail.com](mailto:samuelou510@gmail.com) | [linkedin.com/in/samuelou510s](https://www.linkedin.com/in/samuelou510s) | [github.com/ousamuel](https://github.com/ousamuel)

## EDUCATION

---

### Flatiron School

*Full Stack Software Development*

Manhattan, NY

*Jun. 2023 – Sep. 2023*

### Stony Brook University

*Bachelor of Science in Biology*

Stony Brook, NY

*Aug. 2019 – May 2023*

## PROJECTS

---

### TriviaBurst | *TypeScript, Angular, Node, Express, MongoDB*

Dec 2023 – Present

- Developed a trivia application that provides interactive quizzes and real-time scoring
- Leveraged Angular Material to fast track front end development
- Established data models with MongoDB, incorporating referenced relationships and RESTful endpoints
- Utilized Angular Forms for seamless form validation and management

### CashTrack | *TypeScript, React Hooks, Node, Express, MongoDB, Socket.IO*

Nov 2023 – Present

- Developed an expense-sharing application that simplifies group finances
- Leveraged React Hooks for state and form management
- Established data models with MongoDB, incorporating referenced relationships and RESTful endpoints
- Utilized Socket.IO for real-time communication between group members

### Auto Shop | *React, Next, Python, Flask, Stripe*

Oct. 2023 – Nov. 2023

- Spearheaded a full-stack application providing scheduled car servicing and anonymous bidding
- Optimized table components for teammates, reducing front-end development time by 20%
- Developed backend RESTful API with full CRUD for data management
- Led code reviews and standup to discuss challenges and weekly agendas

### SteelStance | *React, Next, Python, Flask*

Sep. 2023 – Oct. 2023

- Developed a fitness application managing workout programs and personal records
- Employed SQLAlchemy to establish table relations/relational objects and optimized database queries
- Delievered dynamic sorting algorithm of records in table components
- Integrated server-side routing for smooth user experience

### Discord/Pinterest Clone | *JavaScript, React, Reddit API*

Aug. 2023 – Sep. 2023

- Developed a social media platform allowing users to traverse different communities and view related posts
- Utilized React's hook for state management across different components
- Implemented custom styling and design for the user interface

### Subreddit Clone | *JavaScript, React, Reddit API*

Jul. 2023 – Aug. 2023

- Developed a single-page application allowing users to view and interact with beer-related posts
- Implemented CRUD functionality for dynamic post rendering of API data
- Developed sorting and saving options for enhanced user experience

## TECHNICAL SKILLS

---

**Languages:** JavaScript, TypeScript, Python, Java, HTML/CSS

**Frameworks:** React, Next, Node, Express, Flask, Tailwind

**Developer Tools:** VS Code, Git, MySQL, MongoDB