

# Liam Cooke

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## EDUCATION

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### Stony Brook University

Bachelor of Science in Computer Science

Stony Brook, NY

Aug 2020 – May 2024

- Honors: Honors College, Dean's List, Computer Science Honors Program, Presidential Scholarship
- Activities: Alpha Kappa Psi (President), Stony Brook Finance Society (Vice President, Chief Technology Officer), Stony Brook Computing Society, Investment Club, WUSB Radio Station
- Related Coursework: Java Programming (Honors), Software Development, Algorithms (Honors), Software Security, Web Security, System Fundamentals

## SKILLS

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**Languages**: HTML/CSS, JavaScript, Python, Java, SQL, PHP, R, C

**Technologies**: MySQL, MongoDB, PhpMyAdmin, Express, React, Node.js, Next.js, Git, Figma, MuleSoft Anypoint Platform

## WORK EXPERIENCE

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### The Statesman

Web Manager

Stony Brook University, NY

Mar 2023 – Present

- Lead manager of Stony Brook University's online newspaper created for over 17,000 students and faculty members using WordPress.
- Responsible for managing the redesign and development of the special issues webpage as well as updating articles on Issuu, a digital publication platform.
- Manage purchased advertisements to be displayed and updated in an orderly time frame as well as keep plugins up to date and ensure core site functionalities are online.

### Henry Schein

Business Systems Intern

Melville, NY

May 2023 – Aug 2023

- Led the design and implementation of a teeth ordering API as part of a Global E-Commerce Platform (GEP) initiative using the Mulesoft Anypoint Platform.
- Participated in daily scrum meetings with 15+ team members to assess progress and detail a plan of action for the day.
- Gained experience in building complex Mule Flows, Scopes, Error Handling strategies, Message Filters, Transformation, and Message Queues.

### theCoderSchool

Code Instructor

Roslyn, NY

May 2022 – Oct 2022

- Taught and mentored students from 5 to 16 years old in mastering computer science concepts by developing a project-based curriculum utilizing Scratch, Python, Java, HTML/CSS, and JavaScript.
- Documented and analyzed student progress after every class to parents using an online platform.
- Managed a robotics camp with 8+ students using Scratch to program games and solve tasks incorporating robots with proximity sensors, microphones, and locomotion.

## PROJECTS

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### Mesters

- Designed and created a database front-end utilized by over 250 students for uploading and studying exam curricula.
- Structured, designed, and styled the webpage by coding in HTML, CSS, and JavaScript, using PHP as a server-side language to retrieve content uploaded to a MySQL database.
- Presented on the design and development of the website from ideation to execution to a group of over 25 students and faculty, breaking down technical concepts to an approachable and intuitive level.

### Stony Brook Finance Society

- Designed and developed a web application for the Stony Brook Finance Society that directs users towards helpful resources and information, as well as promotes upcoming events.
- Wireframed and prototyped using Figma, then developed the front-end with Next.js 13, and utilized the Google Calendar RESTful API to retrieve event information.
- Connected with club leaders to present designs and progress as well as collected feedback using A/B testing.