

# Bryan Lai

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## EDUCATION

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### STONY BROOK UNIVERSITY

New York, NY

B.S in Computer Science; B.S in Applied Mathematics & Statistics GPA: 3.5/4.0

AUGUST 2020 - DECEMBER 2023

**Relevant Coursework:** Data Structures, Analysis of Algorithms, System Fundamentals I/II, Full Stack Software Development, Linear Algebra, Data Science, Machine Learning, Probability Theory, Graph Theory

## PROFESSIONAL EXPERIENCE

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### SOTER TECHNOLOGIES

RONKONKOMA, NY

Full Stack Web Developer (Part-Time)

JANUARY 2023 - MAY 2023

- Crafted comprehensive blueprints and UML diagram systems as the foundation for a device shipping database to streamline order and return processes. enhancing overall efficiency.
- Designed multiple interfaces and GUIs for the device shipping website, including login pages and client information, utilizing ReactJS, MUI, and MySQL leading to a 20% increase in user engagement.

### MONUMENTA

REMOTE

Developer Intern

NOV 2022 - FEBRUARY 2023

- Revitalized the user experience on the Monumenta website's expansive array of Minecraft RPG classes (accessible at <https://playmonumenta.com/classes>) by skillfully integrating Vue.js and Bootstrap.
- Successfully identified and rectified over 10 bugs within a 6-year-old Java Plugin/Gradle development project, ensuring a smoother and more reliable user experience for players on the server.

### SOTER TECHNOLOGIES

RONKONKOMA, NY

Research & Development Lead Intern

MAY 2022 - AUG 2022

- Led a team of three members in developing a healthcare social media platform for hospital patients and their loved ones.
- Reduced costs by 25% through the strategic switch to a different messaging API service, improving mobile device authentication.
- Authored technical documentation for Flysense's API, providing essential information for new customers of the vaping detection device.
- Engineered a mobile app facilitating seamless integration with vaping detection software and security APIs, enabling instant push notifications.

### PROFILES SHOWROOM

NEW YORK CITY, NY

IT Assistant

DECEMBER 2021 - JANUARY 2022

- Collaborated with the sales department to integrate a mailing service for 10,000+ customer recipients, improving communication.
- Enhanced sales advertisements' efficiency by developing a Python script to correct 5000+ salespersons' emails.

### IDTECH

NEW YORK CITY, NY

STEM Instructor

MAY 2021 - AUGUST 2021

- Instructed students aged 9-18 in programming languages, scripting, and Minecraft modding, employing hands-on activities and projects.
- Implemented activities and projects tailored to specific students, reinforcing STEM concepts and practical skills.

## TECHNICAL SKILLS

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**Languages:** Java, Python, SQL, Javascript, HTML, CSS, C

**Database/Frameworks/Libraries:** ReactJS, React Native, Node.js, Bootstrap, MongoDB

**DevOps/Other Technologies:** Docker, Git, AWS, Visual Studio

## ACTIVITIES

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### Hack@CEWIT Speaker

- Taught 30 university students in a classroom on the fundamentals of ReactJS in order to create portfolio websites to showcase their skills throughout the computer science industry.

### Webmaster at Stuyvesant Robotics Team & Spectator Web

- Managed websites to aid team marketing using Jekyll, HTML, CSS, ReactJS and Ruby on Rails.

### Secretary at Stony Brook Computing Society

- Fostered a community of over 800+ members by actively hosting computer science related workshops alongside providing internship opportunities to these members through partnerships and panels with other companies.

### Map Redistricting Application

- Collaborated with 3 other members to create a state redistricting application that calculates demographic data by gerry chaining districts with technologies such as Java SpringBoot, MongoDB, and Javascript.