

Bryan Lai

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

M.S. in Computer Science, Specialization in Human-Computer Interaction

Atlanta, GA

AUGUST 2024 - PRESENT

STONY BROOK UNIVERSITY

B.S in Computer Science; B.S in Applied Mathematics & Statistics GPA: 3.6/4.0

New York, NY

AUGUST 2020 - DECEMBER 2023

PROFESSIONAL EXPERIENCE

SOTER TECHNOLOGIES

RONKONKOMA, NY

Software Engineer

JULY 2024 - PRESENT

- Designed multiple interfaces, UML diagrams, and GUIs for an internal shipping website for vape devices, including login pages and client information, utilizing ReactJS, MUI, and MySQL, leading to a 20% increase in user engagement.
- Implemented a feature leveraging Microsoft Azure API web services to enable Microsoft work/school account logins on a platform that provides vape alerts, allowing users to seamlessly retrieve, create, and delete account data.
- Developing healthcare systems (eMedNY) with a focus on token-based authentication, ensuring secure access and data protection by implementing JWT validation and handling token expiration across multiple services.

Support Engineer

APRIL 2024 - JUNE 2024

- Oversaw the entire IT support department, providing consulting, technical support, and problem tracking services to clients via CRM systems (Zoho, Confluence, and Jira), resulting in a customer rating of 92%.

MONUMENTA

REMOTE

Developer Intern

Nov 2022 - FEBRUARY 2023

- Revitalized the user experience on the Monumenta website's RPG classes page by integrating Vue.js and Bootstrap.
- Identified and rectified over 10 bugs within a 6-year-old Java Plugin/Gradle development project, ensuring a smoother and more reliable user experience.

SOTER TECHNOLOGIES

RONKONKOMA, NY

Research & Development Intern

MAY 2022 - AUG 2022

- Coordinated with a team of three to develop a healthcare social media platform connecting hospital patients with their loved ones.
- Reduced costs by 25% through a 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.
- Engineered a mobile app facilitating seamless integration with vaping detection software and security APIs, enabling instant push notifications.

PROJECTS

Nettoshima Gym Leader Website

- Implemented a database for all the current gym leaders for a Pokemon-based Minecraft server that renders based on JSON data. This includes displaying images of certain gyms, current gym leaders, gym rules and much more. (Created by React.js, Bootstrap & MUI)

Spotify Data Visualization Dashboard

- Analyzed trends and correlations with Top 2023 Spotify song attributes using Python and D3.js, utilizing techniques such as MDS correlation, PCA, k-clusters, biplots, parallel coordinates, area charts, and histograms.

Map Redistricting Application

- Collaborated with 3 team members to create a state redistricting application that calculates demographic data using Java SpringBoot, MongoDB, JavaScript, and Python (pandas library). Worked on the front-end on displaying both the map and table of district data.

TECHNICAL SKILLS

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

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

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

ACTIVITIES

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 hosting computer science-related workshops and providing internship opportunities through partnerships and panels with other companies.