

# Kevin Brito

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## EDUCATION

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### **Stony Brook University**

*Bachelor of Science in Computer Science*

Stony Brook, NY

*August 2020 - May 2024*

- **GPA:** 3.25
- **Relevant Coursework:** Intro to Object-Oriented Programming, Data Structures & Algorithm, Foundations of Computer Science, Applied Linear Algebra, Programming Abstractions, System Fundamentals I, Finite Mathematical Structures, Analysis of Algorithms, Technical Communications, Fundamentals of Software Development, Survey of Probability and Statistics, System Fundamentals II, Introduction to Theory of Computation, Computer Security Fundamentals, Scripting Languages, Software Engineering, Computer Networks, Introduction to Data Science, Cloud Computing
- **Certifications:** AT&T 2023 Technology Academy

## TECHNICAL SKILLS

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**Languages & Tools:** Java, Python, C, Javascript, Express.js, JSON, Ruby, OCaml, MIPS Assembly, HTML/CSS, R for Statistics, Git, GitHub, NoSQL, SQL, Windows, Mac, Linux, VS Code  
**Frameworks:** Express.js, Node.js, React.js

## EXPERIENCE

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### **Undergraduate Teaching Assistant**

*Stony Brook University*

Aug. 2022 – Dec 2022

*Stony Brook, New York*

- Teaching Assistant for Foundations of Computer Science
- Hosted weekly office hours
- Assisted students in course material (propositional and predicate logic, number theory, proofs, sequences, recursion, functions, relations, sets)

### **Undergraduate Teaching Assistant**

*Stony Brook University*

Jan. 2023 – May 2023

*Stony Brook, New York*

- Teaching Assistant for Data Structures & Algorithms
- Hosted weekly office hours
- Assisted students in course material (applications of data structures: stacks, queues, lists, binary trees, heaps, priority queues, balanced trees and graphs; recursive programming; fundamental sorting and searching algorithms)

## PROJECTS

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### **TerraTrove**

Web Application

*React/Node.js, CSS/HTML, MongoDB*

- Designed, implemented, and deployed a web-based Map Graphics Editor using libraries such as Leaflet & Turf.js, allowing users to create, update, and delete maps with geographical data. Incorporated features such as map rendering, point manipulation, and real-time updates. Implemented user authentication and authorization using JSON Web Tokens (JWT) for secure map management. Integrated RESTful API endpoints for CRUD operations. Collaborated in an agile development environment, participating in regular sprint meetings and utilizing version control for seamless teamwork.

### **Playlister**

Web Application

*React/Node.js, CSS/HTML, MongoDB*

- Created a full-stack web application which allowed for users to register to a service where they can create and edit their own music playlist, as well as viewing, liking, and commenting on other user's playlists.

### **Full-Stack GIS Application with Optimized Search and Routing**

Web Application

*Node.js, PostgreSQL, PostGIS*

- Developed a scalable full-stack Geographic Information System (GIS) application leveraging Node.js, Express, PostgreSQL, and Memcached to handle high volumes of user requests efficiently. Implemented search and routing functionalities with advanced geospatial queries and caching mechanisms to enhance performance.