Brandon Sun

Website: brandonsun.me | Mobile: (401)-338-5485 | Email: brandonzion.sun@gmail.com

EDUCATION

Brown University, *Sc.B. in Applied Mathematics & Computer Science*   **Providence, RI**
- **Academics:** GPA: 4.0/4.0, SAT 1560   *Expected May 2028*
- **Relevant Coursework:** Accelerated Intro to Computer Science | Statistical Inference I | Intro to Software Engineering | Multivariable Calculus | Linear Algebra | Computer Systems | Data Structures, Algorithms, & Intractability

WORK EXPERIENCE

Brown CNTR AISLE   **Providence, RI**
Product Developer   *September 2025 – Present*
- Contribute to the design and development of a platform that scores AI-related legislation, integrating technical tools with policy research
- Build and revise backend systems to improve data collection, sustainability, and maintainability
- Support UI/UX design efforts to make complex policy analysis accessible and intuitive for stakeholders

VoltServer   **East Greenwich, RI**
Software Engineering Intern   *June 2024 – August 2024*
- Increased Cypress end-to-end testing suite size by over 200%
- Wrote 75+ individual component tests for client-side software as well as backend API testing
- Created and documented over 10 new API queries to support new product functionality
- Collaborated with cross-functional teams to implement React-based support for a newly launched hardware product within internal client tool

TechForTeachers   **East Greenwich, RI**
Founder   *September 2022 – June 2024*
- Founded TechForTeachers to create free and accessible software for teachers while allowing students to apply their coding skills as part of a software development team
- Recruited 10 software developers with skills ranging from beginner to experienced programmers
- Built and maintained company website to display mission, staff, and completed applications using React

VoltServer   **East Greenwich, RI**
Software Engineering Intern – Received return offer   *June 2023 – August 2023*
- Prepared integrated software for CI pipeline with the Cypress framework for automated testing
- Wrote 100+ end-to-end software tests to ensure product stability
- Documented over 30 API REST protocols in the user API guide using Swagger
- Identified and fixed 10 errors in API documentation to align with current software versions

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Brown Formula Racing Team   **Providence, RI**
Dashboard Engineer   *October 2024 – Present*
- Design a dashboard display to show real-time data using Figma
- Use Nextion editor to connect display variables to data from the ECU
- Test multiple dashboard designs and revise accordingly, depending on driver feedback in various conditions

TechForTeachers   **East Greenwich, RI**
Software Team Lead   *September 2022 – June 2024*
- Developed a web application, SmartGrouper, to help teachers group students based on desired parameters such as number of groups, group stations, and class size
- Managed a team of 12 student developers with various roles, including front-end, interface, and back-end
- Taught students how to code in Python and JavaScript using modern frameworks such as AWS and React
- Collaborated with other team members using management tools such as ClickUp and GitHub

Chinese Family Camp   **Providence, RI**
Website Developer   *June 2018 – Present*
- Developed summer camp website with over 21,000 total visits to support over 230 campers yearly, featuring account management, camper registration, important information, member blog posts, and archives using WordPress
- Maintained website by updating dates and registration information
- Catalogued important camp documents for committee use

SKILLS & TECHNOLOGIES

Languages: Python, Java, JavaScript, TypeScript
Technologies: React, Git, AWS, Cypress, Blender, Figma, Matplotlib