

TIAGO WU

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EDUCATION

Stony Brook University, College of Engineering and Applied Sciences

Expected Graduation in May 2024

Bachelor of Science in Computer Science

GPA: 3.83/4.00

- Relevant Coursework: Analysis of Algorithms, Data Structures, Fundamentals of Computer Science, Fundamentals of Software Development, Programming Abstractions, System Fundamentals I and II

EXPERIENCE

Stony Brook University

Stony Brook, NY

Campus Residences Student IT Technician

Aug. 2022 - Present

- Collaborating with a team of 25 IT technicians and cross-functional departments to assess and resolve diverse technological issues in over 40 residential buildings, encompassing hardware and software
- Managing and maintaining 300+ Windows computers and Scala systems, including OS imaging, update installations, driver management, and device administration through Quest KACE Management System
- Providing support for 40+ HP and Toshiba printers in residential computer centers and area offices, handling tasks such as paper replenishment, ink and toner cartridge replacement, and addressing mechanical malfunctions

Stony Brook University

Stony Brook, NY

Campus Residences IT Technician Intern

Feb. - May 2022

- Delivered daily technical support and services to faculty, staff, and students, resolving issues with computers, mobile devices, televisions, and printers
- Logged and managed customer support tickets on Cherwell IT Service Management, ensuring prompt resolution of tickets
- Enhanced technical expertise and familiarity with on-campus technology infrastructure through 12 hours per week of shadowing IT Technician Leads, gaining hands-on experience

PERSONAL PROJECTS

Teamify

Jun. 2023 - Present

- Developing a full-stack team management application aimed at enhancing operational efficiency and improving communication within teams
- Leveraging Mongoose's schema definition and robust error handling to optimize data organization and ensure reliable query execution within MongoDB collections
- Building Express.js routers and middleware to create RESTful API endpoints for JSON Web Token authentication, user management, and team operations

Portfolio Website | CSS/HTML, JavaScript, React.js

May 2023 - Jun. 2023

- Created and designed a responsive portfolio website that effectively showcases professional accomplishments, attracting potential employers and clients
- Streamlined deployment by integrating Firebase as a hosting platform and utilizing Git Actions for automated build and deployment processes, enabling smooth updates and revisions
- Enhanced UI/UX by implementing Material-UI and styled components, creating a visually appealing and cohesive design

Temps | CSS/HTML, JavaScript, React.js

Jul. - Aug. 2022

- Developed a user-friendly weather application, enabling users to easily search and access current and weekly weather forecasts for specific locations
- Integrated and fetched real-time weather data from Weatherbit API, using JSON parsing for efficient retrieval and processing of accurate and up-to-date weather information

ACADEMIC PROJECTS

MemAlloc | C

Spring 2023

- Built a C-based dynamic memory allocator for x86-64 architecture, supporting standard C functions (malloc, realloc, free)
- Optimized memory allocation with segregated free lists and quick lists, promoting peak utilization and minimal fragmentation

Lunar System | Java

Fall 2021

- Constructed a menu-based course registration system with a HashMap database for students to add, drop, and view courses
- Enabled sorting of courses by name or semester and database preservation across system restarts using Java APIs

TECHNICAL SKILLS

Languages: C, CSS/HTML, Java, JavaScript, Python

Technologies: Bootstrap, Express.js, Firebase, Git, Material-UI, MongoDB, Node.js, Postman, React.js, Redux