

# Michelle Huang

michelle.huang.wk@gmail.com | [LinkedIn](#) | [Portfolio](#) | [GitHub](#)

## EDUCATION

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### Stony Brook University

B.S. Computer Science (Honors), Minor Digital Art

Coursework: Software Engineering, Web Security, Artificial Intelligence, Computer Networks

Expected Graduation: May 2026

GPA: 3.79

## SKILLS

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**Languages:** Java, C, Python, JavaScript, TypeScript, Kotlin

**Web Development:** HTML, Tailwind CSS, React, Next.js, ShadCN, TypeScript, Node.js, Express, Flask

**Databases & Cloud:** MongoDB, PostgreSQL, Supabase, Firebase, Vercel

**Tools & Platforms:** Git, Linux, Figma, Playwright

## PROJECTS

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### Better

November 2025

- Led development of the web app for a social accountability platform where users stake money on personal goals and friends can bet on them, merging behavioral incentives with fintech features.
- Built a responsive frontend with Next.js, TypeScript, Tailwind CSS, and ShadCN for an accessible and modern design.
- Integrated Firebase for real-time sync between web and iOS clients, and connected the Nessie API to simulate secure transactions and automated payouts.
- Won 3rd place for Best Use of Knot TransactionLink API at HackPrinceton.

### Memsheets

June 2025 - December 2025

- Engineered a full-stack web app using Next.js, TypeScript, and Tailwind CSS to organize meaningful personal relationship details and track commitments backed by a Flask API.
- Implemented JWT-based authentication and Google OAuth with real-time Google Calendar synchronization, enabling automatic creation and updates of recurring events such as anniversaries.
- Streamlined PostgreSQL database schema migrations using Flask-Migrate to support reliable, version-controlled changes.

### Lifetime Financial Planner

January 2025 - May 2025

- Developed a web app capable of performing 1,000 simultaneous financial simulations to provide users with lifetime income, expenses, and investments insight, supported by a multi-step form with 50 fields for detailed financial input.
- Led UI/UX design with Figma and frontend development with React, implementing real-time error validation, progress indicators, and accessibility-focused form interactions.
- Created and maintained automated Playwright tests to ensure reliable frontend user flows and prevent regressions.

## EXPERIENCE

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### Student Technologist Lead, Stony Brook University Division of IT

August 2024 - Present

- Troubleshoot technical issues for 25,000+ students and faculty across 7,500 courses via email, phone, ticketing system, online chat, and walk-ins, ensuring customer satisfaction and minimal downtime.
- Design and lead bi-weekly instructional webinars that introduce faculty and students to web development using HTML and CSS follow-along demos, with 87 participants to date.
- Mentor 11 student interns on customer support tools, etiquette, and protocols, and guide 14 other Student Technologists.
- Direct introduction of SB You, a new WordPress-powered website creation platform, to the campus community as a Service Manager by authoring public-facing knowledge base articles and hosting workshops.

## LEADERSHIP

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### PR Officer, Girls Who Code

August 2025 - Present

- Design flyers and newsletters using Canva and MailChimp to promote the new club's events and national resources.
- Manage the club's social media accounts and drive engagement up with prospective members.
- Advise younger women in tech on refining their brand with professional materials such as resume, LinkedIn, and GitHub.

### Vice President, Student Blood Drive Committee

August 2024 - Present

- Coordinate event planning and logistics, delegating marketing, budgeting, and tracking tasks to board members.
- Promote 9 campus-wide drives with the New York Blood Center, boosting mission visibility and engagement.
- Author instructional and technical documentation for internal use and external audiences such as donors and volunteers.

### Team Spokesperson, Research Project PoliTech

September 2023 - May 2024

- Created and standardized documentation for high-performance computing cluster setup and ensemble generation.
- Sourced datasets for the 2022 election across multiple states and conducted quality checks.
- Led weekly reports for sub-team to lead professor, providing concise updates and outlining future progress plans.