# TingYue Dong

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## EDUCATION

**Stony Brook University**, The College of Engineering and Applied Sciences                               Stony Brook, NY
- Master of Science in Computer Science                                                                                         December 2026
- Bachelor of Science in Computer Science; Applied Mathematics & Statistics                              December 2025
- **Relevant Courses:** Data Structure & Algorithm, Artificial Intelligence, Machine Learning, Computer Vision

## SKILLS

- **Languages:** Python, Java, C, JavaScript (TypeScript), HTML, CSS, SQL
- **Frameworks & Libraries:** React, Node.js, BeautifulSoup, PyTorch, NumPy, Pandas, Next.js
- **Databases:** MySQL, MongoDB
- **Tools & Platforms:** Git, GitHub/Gitlab, Docker, Figma, Wordpress

## EXPERIENCE

**REIDD,** *Web Development Intern*, New York, NY                                                                            June 2025 - Aug 2025
- Implemented and launched reidd.com, start up company based on established design and technical specifications, delivering a scalable and maintainable web presence.
- Customized a responsive, mobile-first WordPress site with integrated plugins, SEO optimization, and streamlined navigation to enhance usability.
- Built and optimized data scraping pipelines using rotating proxies to extract large-scale datasets efficiently.
- Led competitive analysis of 50+ AI tools, identifying key differentiators in market analytics and automation.

**Stony Brook Eye Cog Lab**, *Research Assistant*, Stony Brook, NY                                               Jan 2025 - Present
- Administered and recorded eye-tracking experiments using SR Research Eyelink 1000+ and Sona Systems.
- Setting up experiments analyzing the effects of AI-generated images on visual fixations, including configuring eye-tracking equipment and ensuring accurate data collection.

**Stony Brook University,** *Teaching Assistant,* Stony Brook, NY                                                    Aug 2024 - May 2025
- Facilitated weekly lab sessions for 30+ students, guiding them in debugging, optimizing, and implementing Java code to strengthen their programming skills.
- Mentored students in Java programming through weekly lab sessions, office hours, and code review feedback

## PROJECTS

**Virtual Fridge** | Flutter, HTML/CSS                                                                                       September 2025 - Present
- Designing a cross-platform mobile app with Flutter to manage fridge inventory, purchase dates, and notifications, helping reduce food waste.
- Implementing receipt upload and state management, with features that let users monitor their food supply and receive recipe suggestions based on available ingredients.

**Full-Stack Store Locator** | Google Maps Platform & Google Cloud                                            September 2025
- Built a full-stack web application for searching and locating stores across Austin with optimized routing.
- Integrated Google Maps APIs (JavaScript, Places Autocomplete, Distance Matrix) for mapping, search, and directions.
- Developed a Go backend on Google App Engine using GeoJSON for scalable location data management and efficient rendering.

**Decentralized File-Sharing App** | *TypeScript, Go, Python,  Docker, Git/Github, Google Cloud*      Aug 2024 - Dec 2024
- Built a cross-platform blockchain-based desktop app for secure file sharing, integrating IPFS for decentralized storage and Bitcoin for crypto transactions.
- Developed frontend with React/TypeScript and implemented a proxy server for secure communication, optimized hosting, and reliable performance across macOS, Windows, and Linux.

**Fake Stack Overflow** | *Javascript, HTML/CSS, Git*                                                                  Jan 2024 - May 2024
- Created a StackOverflow clone with MVC architecture, secure RESTful APIs (Node.js, Express, MongoDB), and 10+ core features supporting scalable Q/A management.
- Designed an interactive UI with React, Material UI, and CSS, enabling posting, editing, voting, and search functionality.