

# EVELYN SUN

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## EDUCATION

### Stony Brook University

Bachelor of Science in Computer Science, Bachelor of Science in Applied Math & Statistics

Stony Brook, NY

Expected May 2027

GPA: 3.98

**Affiliations:** Women in Science and Engineering Honors Program (Vice President), Tau Beta Pi (Graphics Coordinator)

**Skills:** Java, Python, C, HTML, CSS, React, JavaScript, MongoDB, SQL, Angular, Git, Machine Learning, Data Science

## WORK EXPERIENCE AND PROFESSIONAL DEVELOPMENT

### Stony Brook University

Undergraduate Research Assistant

Stony Brook, NY

January 2026 – December 2026

- Building a two-agent **Hawk-Dove game-theoretic simulation** in **Python** to model **human vs. AV decision-making** in mixed traffic and analyze how risk/payoff parameters shift Nash/mixed-strategy outcomes.
- Prototyping an **LLM-driven agent** to simulate diverse human behaviors and evaluate policy-relevant patterns (e.g., humans exploiting cautious AV behavior)

### Breakthrough Tech AI

AI Fellow

Virtual

May 2025 – May 2026

- Selected from 3,000+ applicants for a yearlong **AI/ML fellowship** focused on industry driven, real world ML projects.
- Completed **ML Foundations** training (**Python, NumPy, Scikit-Learn, TensorFlow**) and built applied AI projects with guidance from industry mentors.
- Developed a **computer vision data-extraction model** with **Automation Anywhere** to streamline workflows in healthcare, finance and logistics. Currently competing in the **WiDS (Women in Data Science) Global Datathon on Kaggle** to predict wildfire threats to evacuation zones (12/24/48/72h) using only the first five hours of post-ignition data.

### M&T Bank Technology Internship Program

Technology Intern

Buffalo, NY

June 2025 – December 2025

- Built an internal chatbot for a Business Application Portal used by **7,000+ employees** using **Angular, JavaScript, and HTML/CSS**; integrated a **FAISS** vector database with **cosine similarity** to improve search/navigation and speed up onboarding.
- Earned a contract extension to support the chatbot's transition into **production deployment**.
- Refactored a **Recently Viewed Tickets** feature using **Java Spring Boot** and **Angular**, enabling filtering by workflow and reducing time spent re-locating previously accessed tickets.

### Science Undergraduate Laboratory Internship

Research Intern

Long Island, NY

June 2024 – August 2024

- Applied **Sci-Kit Learn, Jupyter, and Linux** in a 10-week Department of Energy internship for students interested in research.
- Enhanced a **Bayesian Resonance Reclassifier Machine Learning algorithm** for nuclear data analysis, improving neutron classification accuracy for scientists.
- Reduced algorithm runtime using Python multiprocessing, enabling faster reclassification of neutron spin resonances.

## PROJECTS

### Phreddit (Phony Reddit)

- Co-developed a **Full-stack Reddit-style web application** that enables user registration and authentication, community creation, post submission, ad threaded commenting through a responsive, component-based UI.
- Designed and built **RESTful APIs** using **React, Node.js and Express.js** to handle authentication and relationship management between users, communities, posts, comments and modeled data schemas in **MongoDB** for real-time data retrieval.
- Managed version control and collaboration workflows with **Git** and GitHub feature branches.

### SeawolfConnect

- Co-developed SeawolfConnect, a **web-based platform** designed to help Stony Brook University students discover and connect with peers who share similar interests, personalities, and campus involvement goals.
- Implemented an interactive personality quiz that matches similar users together with **HTML, CSS, and JavaScript**.
- Recognized as **Runner-Up for Best Creativity** among participants at the WICS Hopper Hackathon for originality and design

## OTHER INFORMATION

**Relevant Coursework:** Object Oriented Programming, Software Development, Data Structures & Algorithms, System Fundamentals, Introduction to Data Science, Introduction to Machine Learning, Probability & Statistics, Data Analysis

**Certifications:** AWS Machine Learning Foundations, Introducing Generative AI with AWS, First Aid & CPR certified