

Alyssa S. Choi

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EDUCATION

Stony Brook University

BS in Computer Science

AUG 2022 - MAY 2026

Stony Brook, NY

- Organizations: Women in Computer Science (WiCS), Group Fitness Pilates Instructor

Stuyvesant High School

Class of 2022 (SAT: 1570; Awards: NCWIT Award, StuyHacks Best Game, Strogatz Prize)

SEP 2018 - JUN 2022

New York, NY

SKILLS

Programming Languages/Technologies: Python, Java, C, HTML/CSS/JavaScript, React, Flask, MongoDB

WORK EXPERIENCE

Stats Perform

JUL 2024 - Present

AI Software Engineering Intern

New York, NY

- Built a historical WTA chatbot using LangChain's SQL agent, OpenAI API, and semantic search techniques to answer users' questions and provide analysis about past players and matches from AI-generated SQL queries
- Created a shopping tool for player gear using Tavily for link generation and BeautifulSoup for web scraping
- Implemented a WTA/tennis trivia section with React, TypeScript, Vite (frontend), and Flask (backend)

Center of Excellence in Wireless and Information Technology (CEWIT)

DEC 2023 - APR 2024

Data Science Intern

Stony Brook, NY

- Collaborated with IBM and UNDP to assess clean energy equity by analyzing Clean Energy Equity Index (CEEI) indicators from Northeastern US and Sub-Saharan Africa using zonal statistics in Python
- Developed a COIN model in R and conducted sensitivity analyses to assess the robustness of CEEI framework

Citigroup

OCT 2021 - JUL 2022

Data Analyst Intern

New York, NY

- Analyzed corporate mobile device inventory for North America and achieved \$400,000+ annual savings
- Designed a plan for an app that streamlines existing asset management processes through automation
- Evaluated vendor billing reports and identified inaccuracies in usage overage charges

LEADERSHIP EXPERIENCE

Women in Computer Science

DEC 2022 - Present

President

Stony Brook, NY

- Managed a \$20,000 budget to ensure optimal and secure transactions for 30+ annual events
- Spearheaded financial planning for HopperHacks 2024 with record-breaking participation of 400 attendees

Break Through Tech AI @ Cornell Tech

MAY 2023 - APR 2024

AI Fellow

New York, NY

- Selected as one of 260 for an 18-month program in data science, machine learning, and artificial intelligence
- Built a financial AI chatbot using LLMs in Hugging Face and Streamlit for our partner company JPMorgan

Scholar Studio

MAY 2020 - AUG 2022

Founder & President

New York, NY

- Established a free summer tutoring program for 300+ middle school students from 100+ schools in NYC
- Created and managed website, outreached to press, and organized initiatives such as free prep books

PROJECTS

AI Tweet Generator (Team Project) | React, Flask, SQLAlchemy, Tensorflow, Keras

JAN 2021 - MAR 2021

- Created a full-stack app of a Twitter explore page that generates fake tweets using React and Flask
- Utilized SQLAlchemy to work with user, post, and comment databases and manage data from AI models
- Contributed to developing an AI text generator using recurrent neural networks in Tensorflow and Keras

AWARDS

- **D. E. Shaw Fellowship** | One of 50 students selected for all-expenses-paid trip to D. E. Shaw's HQ with \$1,500 stipend
- **Bloomberg Women in Data Forum** | One of 50 students selected for all-expenses-paid trip to Bloomberg's HQ