

Alyssa S. Choi

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EDUCATION

Stony Brook University

BS in Computer Science (GPA: 4.0)

AUG 2022 - MAY 2025

Stony Brook, NY

- Organizations: Women in Computer Science, Bioengineering Research Team, University Orchestra
- Relevant Coursework: Data Structures, Discrete Mathematics, Applied Linear Algebra, Digital Intelligence

Stuyvesant High School

Class of 2022 (GPA: 96.40)

SEP 2018 - JUN 2022

New York, NY

- Relevant Coursework: AP Calculus BC, AP Computer Science, Systems, Graphics
- Awards: StuyHacks Best Game, CodeDay Best Webapp, NCWIT Award, Strogatz Math Communication Prize

PROJECTS

Yoonique Friends | Unity, Blender, Flutter, Three.js

FEB 2023 - Present

- Building a Korean learning app in Flutter and Unity and designing a 3D virtual world using Blender
- Devising branding identity using product design, merchandise design, and TikTok account with 13k+ likes

CICAidA Wearable Health Technology (Team Project) | Flutter, Firebase

JAN 2023 - Present

- Designing a software platform that centralizes the monitoring of patients in nursing homes
- Implemented navigation page and block view display functions of patients and nurses in Flutter
- Researching the optimal way to collect and display oxygen saturation information in a dynamic graph

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

Kakao Learn | HTML, CSS, JavaScript, Python

JAN 2020 - MAR 2020

- Developed an interactive website where users can practice reading, writing, and speaking Korean
- Used Python to create a random vocabulary and quiz generator from Korean vocabulary spreadsheets

WORK EXPERIENCE

Citigroup

OCT 2021 - JUL 2022

Data Analyst Intern

New York, NY

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

Army Educational Outreach Program

JUN 2021 - AUG 2021

Research Apprentice

Stony Brook, NY

- Ran incompressible fluid simulations to model the interface between a parachute cord and an air-like fluid
- Analyzed parallel processing of parachute simulations using strong and weak scaling using C++ and Linux
- Presented findings and research to professors and US Army researchers

LEADERSHIP EXPERIENCE

Women in Computer Science

DEC 2022 - Present

Event Committee Member

Stony Brook, NY

- Supervised 40+ mentors, volunteers, and workshop hosts for the 2023 HopperHacks Hackathon
- Organized a social event with 60+ participants and created logistics for game stations, food, and prizes
- Collaborate with other organizations to ideate and plan large-scale campus events

Scholar Studio

JUN 2020 - SEP 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
- Tutored 100 students in SHSAT Math and Computer Science for 85 hours and organized two Hackathons

SKILLS/INTERESTS

Programming Languages/Frameworks: Java, Python, HTML/CSS/JavaScript, React, Flask

Technical Skills: Microsoft Office, Google Suite, Adobe Illustrator/InDesign, Canva, Figma, Blender

Interests: Education, Fencing, Oboe, 2D/3D Graphic Design, VR/AR, Pilates