

# Sung Mo Yang

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## EDUCATION

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### **Stony Brook University**

*Bachelor of Science, Computer Science*

**May 2023**

*Stony Brook, New York*

- Graduated cum laude, 3.62 GPA
- Certificate of Recognition, NY State Senator Toby Ann Stavisky
- Certificate of Scholarship, ANC Scholarship Foundation
- Certificate of Scholarship, Sul Chang Andrew Park Scholarship Foundation

### **The Bronx High School of Science**

**June 2019**

## PROJECTS

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### **Lawnmower**

<https://github.com/Lawnmower416/Lawnmower>

- Full stack (MERN) web application for real-time collaborative editing and sharing of 2D tilesets and tilemaps
- Supports account authentication, live collaboration, and online community services
- Semester long group project emulating the professional software development experience
- Focus on use case requirements user interfaces, teamwork, deployment, and version control
- Technology Stack:
  - MongoDB, Express, React, NodeJS, JavaScript, Mongoose, Axios, bcrypt, Tailwind UI, AWS
  - Redux State Management, RESTful API

### **Mutant Maize**

<https://github.com/SungMoY/Mutant-Maize>

- 2D side-scrolling platformer built for web browsers using the [Wolfie2D](#) game engine
- Management of system resources, real-time physics, animation systems, audio systems, and artificial intelligence
- Technology Stack:
  - Typescript, Tiled, Piskel, Audacity, WebGL
  - Object Oriented Programming, Multithreading, Factory Design Pattern, Singleton Design Pattern

## WORK EXPERIENCE

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### **New York Academy**

*Teacher's Aide*

**July 2021 – August 2021**

*Queens, New York*

- Daily one-on-one tutoring sessions for middle school mathematics
- Additionally assisted teachers and reinforced instructions taught in the classroom to students
- Duties: reviewing lessons, proctoring tests, grading assignments, answering questions, assistance with homework

### **ISTUDY Prep**

*Private SAT English Tutor*

**Sept. 2019 – Jan. 2021**

*Queens, New York*

- Weekly one-on-one tutoring sessions for SAT Reading and Writing & Language
- Prepared weekly lessons and practice material for the SAT Reading and Writing & Language curriculum
- Guide students through practice tests by teaching problem-solving strategies and providing insight

## SKILLS

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**Technical Skills:** Full Stack Web Dev (MERN), General Web Dev (HTML, CSS, JavaScript), Data Science (Python), Object Oriented Programming (Java), SDLC, Web Scraping, C Programming, Assembly Programming

**Professional Skills:** Time Management, Communication, Organization, Teamwork, Adaptability