

## Samuel Tang

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## EDUCATION

**New York University, College of Arts & Science** – New York, NY

**September 2022 – May 2026**

*Bachelor of Arts in Computer Science* | Minor: Game Design | Cumulative GPA: 3.82/4.00

Dean's List for Academic Year, 2022, 2023

## RELEVANT COURSEWORK

**Computer Science:** Intro to Computer Science, Data Structures, Computer Systems Organization, Basic Algorithms, Operating Systems (Current), Software Engineering (Current)

**Game Design:** Intro to Programming for Games, Intro to Game Design, Intro to Game Development (Current), Intro to Game Studies (Current)

## EXPERIENCE

**EGD Collective Game Studio Program Fellow** – New York, NY

**September 2022 – Present**

*Programmer (Combat Team)*

- Work in an environment with 100+ people that replicates a large AAA studio with an agile development workflow.
- Communicate between teams with verbal meetings and written documentation.
- Collaborate with a smaller specialized team within a larger department to develop a game while also attending game jams, professional talks, conventions, and more events.

## PROJECTS

### Unix Shell

- Recreated a simplified version of the Unix shell written in C.
- Implemented the use of pipes, input and output redirection, and built-in commands such as "exit", "ls", "cd", etc.
- Became more familiar with the Linux programming environment and the shell and topics such as how processes are created, destroyed, and managed, how to handle signals and I/O redirection, etc.

### Expense Tracking Mobile Web App

- Collaborated with 4 other programmers over 2 sprints to create an expense tracking mobile web app.
- Included features such as signing in and adding, removing, and editing, as well as searching and sorting logs of expenses.
- Utilized HTML & CSS for the front-end, Python and flask for the back-end, MongoDB for the database.

### Dice Wars & Echolocation

- (*Dice Wars*) A 2 player deck-building-esque game built around the mechanic of rolling dice. Players periodically add dice to their dice pool to strengthen and change their army's playstyle.
- (*Echolocation*) A collaborative social game inspired from *Wavelength*. Players must attempt to understand each other's interpretations of words to navigate towards a location on the board.
- Collaborated with 4 other members to create prototypes while learning design philosophies through receiving feedback from professional game designers and public playtest events.

### The Rundown Podcast Series

- Collaborated with a friend to write, film, and edit a 7 episode podcast series.
- Researched about different video game related topics (design philosophies, development process, mainstream impact, speedrunning, esports, etc.).

## EXTRACURRICULAR ACTIVITIES

**NYU Overwatch 2 Team - Senior Team Member**

**September 2022 - Present**

- Competed in Blizzard Entertainment's official *Overwatch 2* Collegiate league.
- Competed in smaller open leagues (National Association of Collegiate Esports, Eastern College Athletic Conference).
- Organized practice matches against other teams and reviewed replays to discuss ways to improve.
- Assisted in organizing team dinners and other social events.

## SKILLS

Coding: Java, C, C#, C++, Python, HTML, CSS, GML, x86-64 Assembly

Technologies: GameMaker Studio, Unity, Adobe Premiere Pro, VS Code, Github, Git, LaTeX, Linux, Flask, MongoDB

Languages: English (native), Chinese (fluency at native level)