

TAREK ELBIALY

Jackson Heights, NYC | [My Website](#) | tarek4113@gmail.com | [in](#) Tarek Elbially | [G](#) elbiallyt

EDUCATION

Brooklyn Technical High School

Graduated: June 2021 | GPA: **4.0**

Washington University in St. Louis

Expected Graduation Date: May 2025

Bachelor of Science in Computer Science

Sophomore | GPA: **3.96**

Involvements: Esports team (Varsity), Google student Developer Club, Philosophy Club, ACM, MENA

SKILLS

Programming/ Web Skills: Java, Python, JavaScript, C++ , React,, HTML/CSS, Next.js, SQL, C#, C, LaTeX, RST markup.

Developer Tools: Figma, VSC, Eclipse, Git, CLion, Unity Game Engine.

Relevant Courses:Data Structures and Algorithms, Intro Computer Engineering, Intro Computer Science, Discrete Mathematics, Object Oriented Software Laboratory.

Certifications: Responsive Web Design Certification (codecamp), JavaScript Algorithms and Data Structures (codecamp), HTML (sololearn), CSS (sololearn), SQL (sololearn).

WORK EXPERIENCE

Software Engineer

May 2022 – Present

EDURain

St Louis, MO

- Worked on a team to develop new features for the EDURain website using **Figma** for designing and **Next.js** for implementation.
- Implemented numerous features such as a password recovery feature, the design/implementation for the landlord dashboard, housing redesign, and more.
- Helped win over **\$10,000** in awarded grants during employment.

CSE 131 TA

August 2022 – Present

Washington University in St. Louis

St Louis, MO

- Conduct weekly studios with other TAs and run help sessions on course materials for **30+** students (**Java** is primary language).
- Grade class projects and assignments as well as provide assistance to students struggling with them during office hours.

CSE 131 Course Developer

May 2022 - Present

Washington University in St. Louis

St Louis, MO

- Was handpicked to help prepare and organize the curriculum for the largest class at WashU, introduction to compsci (**550+students**).
- Assisted Professor Shook in designing/editing the interactive website using **Java** and **RST markup**.
- Used an **ec2 instance**, **ubuntu**, and **docker** to host the website.

IT Intern

July 2022 – August 2022

NYC Department of Youth and Community Development

NYC, NY

- Worked on a team to manage and normalize data using **SQL**
- Redesigned the Contract Management platform and made a help page in a **lightweight plain HTML field** that is used by all **500+** contract management employees.

CS Tutor/ Workshop Leader

September 2017 – January 2021

Astoria Community Center

NYC, NY

- Led, organized, and executed workshops on topics such as basic robotics and coding.
- Planned and taught lessons on foundational concepts of CS using scratch on topics like loops, arrays, and recursion.

PERSONAL PROJECTS

🔗 Dungeon Crawl (Unity Game Engine, C#)

October 2021 – December 2021

- A Unity top down RPG that utilizes over 25 separate clean and functional **C#** scripts, garnered over **100 players** .
- Easily scalable due to prefab usage and shows a clear and thorough understanding of inheritance.

🔗 Netflix V2 (Next.js)

May 2022

- Redesigned a fully responsive Netflix interface using **Next.js** and **tailwind CSS** as well as plugins such as hero icons.
- Fetched data from the moviedb database using server-side rendering.

🔗 Website Portfolio (HTML, CSS, Javascript)

December 2021

- Made a responsive portfolio website using **HTML**, **CSS**, and **Javascript** and hosted it on a free platform.
- Utilized both grid and flexbox to make the website responsive on all view ports.

🔗 Discord Bot (Python)

July 2020

- Original **Python** Discord Bot that interacts with users based on messages into channels.
- Experience with the structures and implementation of APIs.

RECENT AWARDS

Dean's List | Academic Honor | *Washington University in St. Louis*

All Semesters

Gold Award Environmental Science | Highest ranked student to graduate from environmental science major (**50 students**) |

Brooklyn Technical High School

June 2021