

Ali Brooks

Computer Scientist



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EDUCATION

2022 – 2026 **B.Sc. Computer Science**
RENSSELEAR POLYTECHNIC INSTITUTE

2018 – 2022 **High School**
GILMAN SCHOOL – BALTIMORE MARYLAND
Arabic Honors Society

WORK EXPERIENCE

Gilman School *Internship*

SUMMER 2022

I worked with the Gilman Graphic Design department for two weeks, in which I worked on some of the projects the school needed. I created templates for the school's Instagram page, posters, and a suite of graphics for the athletic department. I also moved all of these to a site called Canva, to streamline the process for everyone, and allow easy access

EXTRACURRICULARS

Game Design

Using programs like Game Maker Studio 2 and Unity, I created several games. Either on my own, with friends, or with new people in 2 day Game Jams. Some of my titles are Beautiful Melodius, Cathartic Cartography, and Mythological Melee (which was created for Ludem Dare 51.

Web Design

I taught myself HTML and CSS by running a blog, in which I write about my interests, my daily life, and put out updates on the development of my games. I also created the website created for my resume, which you can see at the top. In my High School, I created a web design curriculum, and created a club to teach my peers about how to make websites of their very own.

Stanford Inspirit AI

I participated in the Stanford Inspirit AI Course over the winter of 2020. I collaborated and learned with fellow classmates about AI and its applications. Our group specifically worked on facial recognition AI.

Hackathons

I participate in various Hackatons around the North Eastern coast. Such as HackRPI, or MIT's Energy Hack, in which we had to create a program to solve a pressing issue related to energy or climate change.

SKILLS

SELF-TAUGHT HTML, CSS, Javascript, GameMaker Language,

LEARNED Java, C++, C, Python

OPERATING SYSTEMS Microsoft Windows, Linux

SOFT SKILLS Leadership, Conflict Management
Problem Solving, Communication

RELEVANT COURSEWORK

Rennselear Polytechnic Institute

Data Structures, Physics, Computer Organization, Intro to Information Technology and Web Science, Rensselear Center for Open Source, Game Programming

Gilman

AP Computer Science, Advanced Topics In Computer Science, Engineering, Robotics

OTHER EXPERIENCES

Apiary *Member*

I worked in my Gilman's apiary, where I would both handle the beehives and also work on the business and management side. I helped get the ball rolling on selling our honey in the store by making a design for the jar and doing the math for a finalized price. It is now being sold in our school store.

Shelter Work *Volunteer*

For about 9 years, from middle school to when I graduated high school, I worked at local Baltimore cat shelters as a volunteer. These shelters include Passport Animal Rescue, AARF, and BARCS.

Gilman Bridges *Volunteer*

I joined Gilman Bridges, which is a program where kids from underdeveloped Baltimore schools are bused to Gilman, and we would assist them with their homework, play outside with them, and also do activities.