



# Ali Brooks

Web Developer, Game Designer,  
and All-Round Computer Scientist

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## SKILLS

HTML

CSS

JavaScript

C++

Java

C#

Python

LaTeX

## AWARDS

**Garnet Baltimore Scholarship**

Rensselaer Polytechnic Institute

🔗 <https://success.studentlife.rpi.edu/GBRES>

**Arabic Honors Society**

Roland Park Country School

Awarded for holding a certain GPA  
over 3 years whilst taking Arabic.

## EDUCATION

**Rensselaer Polytechnic Institute**

(August 25, 2022 -

Bachelor of Science, Computer Science and Information  
Technology and Web Science

Present)

Data Structures

Foundations of Computer Science

Intro to ITWS

Physics

## WORK EXPERIENCE

**Firaxis Games**

(May 08, 2023 - August 18, 2023)

UI/UX Engineer Intern

I will work with Firaxis Games in Sparks Maryland, in which I will be tasked with debugging, editing, and creating code with HTML, CSS, and JavaScript to create UI/UX elements for games.

**Gilman School**

(May 01, 2022 - June 01, 2022)

Graphic Design Intern

I worked with the Gilman Graphic Design department for two weeks on some of the school's needed projects. I created templates for the school's Instagram page, posters, and graphics for the athletic department.

## PROJECTS

**Perception and Action Research Lab**

(January 09, 2023 - May 05, 2023)

Researcher

I worked with Professor Brett Fajen on simulation software for his research, made in Unity C#. I created virtual environments for eye-tracking experiments with experienced drone racing pilots.

**Game Design**

Extracurricular

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).

🔗 <https://abrookst.itch.io/>

**Web Design**

Extracurricular

I taught myself HTML and CSS by running a website created for my resume. I furthered this learning, both in my ITWS dual major and by taking website commissions for clients.

🔗 <https://abrookst.github.io>

**Hackathons**

Extracurricular

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 for the company Tangible.