Isaiah Philip

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Education

Georgia Institute of Technology, *BS in Computational Media*   Expected 2026
- **GPA:** 3.86/4.0
- **Coursework:** Game AI, Data Structures and Algorithms, Objects and Design
- **Extracurriculars:** Recreational Basketball, Animation Club (member), VGDev Club (concept artist)

Experience

Research Assistant, Georgia Institute of Technology (Whiteley Lab) – Atlanta, GA   Feb 2025 - Present
- Building lab website in Framer
- Co-led the development of a Python-based GUI application for browsing, filtering, and managing large-scale genome data of thousands of Pseudomonas Aeruginosa samples using PyQt.
- Automated genome data parsing and mapping with Bash scripts on Georgia Tech's PACE high-performance cluster
- Tools Used: HPC, Bash, Python, PyQt, Framer

Research Assistant, Georgia State University – Clarkston, GA   Nov 2022 - Dec 2023
- Developed a browser-based 2D physics simulator to enhance students understanding in introductory courses
- Designed an academic poster detailing technical components, educational purpose, and user interaction outcomes
- Tools Used: HTML, CSS, JS, Microsoft Office

Projects

CH1MP   March - April 2025
- Developed a 2D side-scrolling action game for the Game Boy Advance using C
- Implemented core gameplay systems including collision detection, gravity physics, animation handling, parallax scrolling, and basic enemy AI
- Tools Used: C, Aseprite, Tiled

Shotviz   Feb 2025
- Collaborated with two teammates to develop an interactive web application that returns shooting percentages based on court position input
- Completed the prototype within 48 hours during a campus hackathon
- Tools Used: React, Flask, CSS, JS, Figma

Conversational Chatbots   Oct - Dec 2024
- Created a blackjack simulation chatbot with natural dialog using the OpenAI API
- Developed a futuristic AI kitchen assistant for a conceptual 3D printer interface
- Tools Used: JavaScript, CSS, HTML, Open AI API

Spotify Wrapped Mobile App   Mar - Apr 2024
- Collaborated with a team of 5 to develop an app that visualizes Spotify analytics for personalized user insights
- Integrated Firebase and Spotify API for account linking and real-time data access
- Tools Used: Java, XML, Spotify API, Android Studio, Firebase

Skills

Languages: Proficient in Java and Python, Intermediate in HTML, XML, JavaScript, and CSS, Beginner in Bash.

Frameworks/Libraries: React, Flask, PyQt, OpenAI API, Spotify API, Firebase