

# Brandon Cole

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## EDUCATION

**Rochester Institute of Technology (RIT)**, Rochester, NY

Expected Fall 2024

*Bachelor of Science, Game Design and Development*

**GPA: 3.74**

*Related Courses:* Data Structures and Algorithms I & II (C++), Rich Media Web App Development I (JavaScript), Interactive Media Development (C#), Computer Science I (Python)

## SKILLS

**Programming Languages:** JavaScript, C++, C#, Python, HTML, CSS, SQL

**Tools:** React, Angular, Node, ExpressJS, TypeScript, MySQL, MongoDB, TailwindCSS, Visual Studio, VSCode, Unity, Git, Jira

## WORK EXPERIENCE

**Sandbox Union**

**July 2023 – December 2023**

*Full Stack Co-op*

- Contributed to both frontend and backend development using modern frameworks and technologies.
- Collaborated with a cross-functional team to design and develop web applications for various clients, leveraging Git with GitFlow for enhanced version control and CI/CD pipelines for efficient deployments.
- Participated in sprint planning, daily stand-ups, and utilized Jira to ensure proper task tracking and project management.

## PROJECTS

**Full Stack Ecommerce App with Admin Dashboard (Personal Project)**

**May 2023**

- Built a responsive, interconnected ecommerce platform and admin dashboard from scratch.
- Implemented user-centric features: advanced product search, wishlist, Stripe checkout, and dynamic admin tools for product, category, and order management.
- Integrated AWS for image storage and Stripe for financial transactions.
- Tech Stack: React, NextJS, TypeScript, TailwindCSS, Next-Auth, Stripe, NodeJS, Axios, Mongoose, MongoDB, deployed via Vercel

**Audio Visualizer (Academic Project)**

**March 2023**

- Aesthetically pleasing audio visualizer web application built with HTML/CSS/JavaScript.
- Uses the Web Audio API to retrieve audio data from an MP3 file, then uses the Canvas API to draw meaningful visualizations.

**Truth (Personal Project, Brackey's Game Jam 2022)**

**February 2022**

- Platformer game in one week based on the prompt "It is not real"
- Worked on a team of four, led development.
- Contributions include all of the programming, the main menu, and some level design.

## LEADERSHIP

**Sigma Chi**

- Brother of the Lambda Kappa Chapter of the Sigma Chi Fraternity since April 2021.
- Served as Public Relations Chairman, Historian, Diversity & Inclusion Chairman, IFC Delegate, and Judicial Board Juror.
- As Public Relations Chairman, I ran the social media for our chapter, managed our relationship with other organizations on campus, reached out to businesses to hold fundraisers for Huntsman Cancer Institute, set up table stands on campus to promote our events, give back to campus, and more.
- Received a Certificate of Authentic Leadership after completing a 3-day in-person leadership workshop offered by the Sigma Chi Leadership Institute.

**Gamma Sigma Alpha**

- Joined Spring 2023
- National Greek Academic Honor Society that recognizes the academic accomplishments of fraternity and sorority members.