

# Idris Hassan

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## EDUCATION

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### College Of Staten Island

*Bachelor of Arts in Computer Science*

Staten Island, NY

*Aug. 2021 – June 2025*

## EXPERIENCE

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### NYPD Law Enforcement Explorers

*121 Precinct*

Staten Island, NY

*Oct. 2018 – Mar. 2020*

- Practiced police crime scenarios that helped build skills such as teamwork, critical decision-making, and attention to detail
- Volunteered for community events under the program (march during local parades, volunteer at events; operating snacks/food stands, directing people, and providing excellent customer service, community cleanup, led Food Drives)
- Led teams in scenario competitions against other precincts

## PROJECTS

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### Hangman | *C++, Replit*

- Developed a Hangman game in C++ leveraging OOP-based system and a custom-built header for enhanced functionality
- Initiated during my freshman year, this project has evolved significantly over time, benefiting from iterative enhancements driven by advancing programming expertise
- Each iteration was purposefully designed to optimize and augment the game's efficiency and effectiveness, reflecting cumulative improvements in programming skills

### Spotify API | *Replit, JavaScript, React, HTML, CSS*

- Proficiently handled HTTPS requests, created request objects, and processed data dynamically
- Successfully managed Spotify API access tokens, implemented caching, and interacted with various API endpoints
- Demonstrated skills in defining web page structure, handling API endpoints, and providing dynamic functionalities for an enhanced user experience

### Trivia Game | *Replit, Java, HTTP Client Gson Libraries, Docker*

- Applied principles of object-oriented programming to create reusable and maintainable code.
- Designed and implemented the quiz game application using Java, including both back-end and front-end functionalities
- Integrated a REST API and used PostgreSQL to store users accounts and leader board scores

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, Assembly

**Frameworks:** React, WordPress, Material-UI, FastAPI

**Developer Tools:** Git, GitHub, Docker, VS Code, Visual Studio, Postman, IntelliJ, Eclipse