

Bola Ghaly

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OBJECTIVE

Intellectually curious student with passion for learning new technologies and strong interest in software development, seeking an internship that will allow me to further develop my abilities in the field of computer science.

EDUCATION

The City University of New York, College of Staten Island, NY

BS Degree in Computer Science, Anticipated Graduation: Spring 2023. Current Overall GPA: 3.6

TECHNICAL SKILLS

Programming: C++, Java, Python, HTML, CSS, JavaScript, Redux, REST API, PostgreSQL

Frameworks & Libraries: React.js, Node.js, Express.js, Flask, Bootstrap

Technologies: VS Code, Eclipse, Git, GitHub, Heroku, Netlify, Trello, Figma, Microsoft Office Suite

TECHNICAL PROJECTS

TTP Residency Full Stack Web Development Bootcamp

Staten Island, NY

Tech Talent Pipeline (TTP): Software Development Student

January 2022 - February 2022

Participated in a full stack web development bootcamp in which topics on use of React.js, Node.js, Express.js, and PostgreSQL (PERN) were first taught and then applied to delivering a minimum viable product.

- Collaborated with a group to create an online loot box simulator where a user can open different kinds of card packs (Starter, All-Stars, and Hall of Famers) to get a chance to own their favorite NBA player trading cards, using an API endpoint.
- Used Node.js and Express.js to create a server, deployed on Heroku, that uses custom routes and HTTP messages allowing data to be exchanged between client (front-end) and server (back-end).
- Allowed users to create an account or login with an existing account using email and password validation by using regular expressions (regex), and the user's password was encrypted before storing it into a PostgreSQL database table using bcrypt.js.
- Utilized PostgreSQL database to store NBA player's information that is used in the front-end for the players' cards as an API endpoint and store the cards that the user gets when they open a card pack so that it is retrieved from the user's collection joint table and displayed in the "My Collection" page on the front-end.

PROFESSIONAL EXPERIENCE

NYC Department of Education

New York, NY

Substitute Paraprofessional

January 2020 - Present

Worked at District 75 to provide instructional support in a wide variety of settings and locations around NYC for students with significant challenges such as Autism Spectrum Disorders, Sensory impairments, etc.

- Assist class teachers with classwork and reinforcing lesson content by working with individual students or small groups of students. Over 30% of students demonstrate improvement within the first 2-3 months of working with them.
- Monitor students' participation and progress and providing appropriate support.
- Observe student behavior for signs of distress, anxiety, and discomfort, and facilitating suitable interventions.

Summer Youth Employment Program (SYEP): STEM Kids NYC

New York, NY

Teacher's Aid

July - August 2019

Participated in STEM Kids NYC, an educational nonprofit program that aims to connect the current curriculum in schools and the urgent need for these institutions to prepare students (pre-K to 12) for future STEM opportunities.

- Supported licensed teachers by reinforcing instructions taught in the classroom to students.
- Reviewed lessons with teachers and students, answered questions, and graded student's assignments to report back to the teacher.
- Assisted with planning and implementing daily activities and assured that they were operated in a safe manner at all times, such as science experiments and field trips.