**Oluwatobi Olajide**

olola73@morgan.edu | (301)-232-2137 | [LinkedIn](https://www.linkedin.com/in/oluwatobi-olajide) | [GitHub](https://www.github.com/oluwatobi02) | [Website](https://oluwatobiolajideportfolio.vercel.app)

**EDUCATION**

**Morgan State University Baltimore, Maryland**

*B.S in Computer Science Expected Graduation, May 2027*

* **Related Coursework:** Computer Systems, Data Structures and Algorithm

**SKILLS**

**Programming:** Python, C, JavaScript, Typescript

**Libraries:** Express, React, Flask, Next.js, Django, Jquery, Node.js, Pandas

**Tools:** Mongo, Firebase, Git, Docker, Bash, Linux, AWS, Google Maps Platform, SDKs

**Experience**

[Cosmos](https://cosmos-six.vercel.app) (Python, Flask, Expresss.js, Mongo, Typescript, Node.js, React)

*Full Stack Engineer September 2024*

* Developed a scalable Python backend with mongo engine (ORM) for efficient data modeling of messages, events, organizers, and notifications. Integrated Redis Queue to optimize background tasks like notifications, emails, and AWS S3 uploads, achieving an 80% increase in speed and significantly reducing event creation wait times.
* Engineered real-time communication with websockets, enabling instant messaging, live notifications, and client interactions. Optimized lookup operations using a Trie data structure for fast text search and Redis for caching frequently accessed data.
* Containerized the application using Docker, configured Nginx as a reverse and SSL proxy to enhance performance and security. The application has 20 active users, with about 10 events created daily.

**PROJECTS**

**Fast Track** (Python, Flask, Expresss.js, Mongo, Typescript, Node.js, React)

*Backend Engineer April 2024*

* Developed an interactive mock interview feature with Rev.ai's speech-to-text, providing AI-generated feedback to boost user confidence and clarity.
* Created an exploration tool for navigating majors and career paths, offering resources for skill development and detailed field insights.
* Successfully demoed Fast Track to nearly 200 attendees, receiving positive feedback for its impact in education and professional growth.

[**Tic Tac Toe**](https://tic-tac-toe-brown-sigma.vercel.app/) (React, SCSS, JavaScript, Firebase)

*Frontend Engineer* *June 2024*

* Designed and developed a responsive website using React and SCSS, ensuring optimal performance and usability across various devices.
* Utilized Firebase snapshots to manage and simulate real-time interactions between users, supporting both multiplayer and single-player modes with AI opponents.
* Successfully deployed the application on Vercel, maintaining a smooth user experience with at least 5 gameplays daily and 30 active users.

**AWARDS**

**Web Development Competition Baltimore, Maryland**

*Hosted by Google and Society for Advancement of Computer Science (SACS)**Dec 2023*

* Secured 1st place as part of a three-member team for an outstanding web application project (Teachable).

[**Google HBCU Hackathon**](https://www.linkedin.com/posts/oluwatobi-olajide_googlehbcuhackathon-innovation-networkingopportunity-activity-7168673264653824000-O_lJ) **D.C, Washington**

*Hosted by Google**March 2024*

* Achieved a top 6 placement as part of a four-member team for an outstanding application (Culture Connect).

**Morgan Hacks Baltimore, Maryland**

*Hosted by Morgan State University**April 2024*

* Achieved a top 6 placement as part of a four-member team for an outstanding application (Fast Track).