Safia Nassiri

(484)686-7170 | Franklinville, NJ | SafiaNass92@gmail.com | linkedin.com/in/safia-nassiri | safianassiri.github.io/

EDUCATION

Rowan University | *GPA: 3.6* *Fall 2022 – Present*
Masters of Science in Computer Science *Expected May 2027*
Accelerated Bachelor of Science in Computer Science (Minor: Arabic) *May 2026*

RELEVANT TECHNICAL EXPERIENCE

Independent Game Development Team | *Lead Systems Developer & Architecture* *Summer 2026*

- Spearhead systems architecture on a cross-institutional team of alumni, graduate, and undergraduate developers, establishing modular engine tooling and core architectural patterns in Unity/C#.
- Architect core gameplay state machines, decoupled event buses, and scalable serialization/save-load systems to guarantee data integrity across game sessions.
- Enforce code reusability and clean API contracts across distributed sub-teams, conducting code reviews and mentoring junior contributors on modular design patterns.

Freelance Web Developer & UI Designer | *Client Solutions* *Fall 2024 – Present*

- Design, build, and deploy custom responsive portfolio and business websites for photography and creative clients, focusing on SEO, fast asset load times, and dynamic galleries.
- Gather end-to-end client specifications, translate functional requirements into wireframes and production code, and manage domain routing and hosting environments.
- Implement clean client-facing CMS and dynamic media delivery pipelines to streamline portfolio updates and media rendering across mobile and desktop.

A.R.C. (Archive. Record. Connect.) | *React, Node.js, Express, MongoDB, REST API, JWT, Axios* *Spring 2025*

- Engineered and consumed a RESTful API layer in Node.js/Express, integrating third-party APIs (RAWG) with Axios while handling schema mapping, rate limiting, and error propagation.
- Implemented secure token-based authentication using JWT and bcrypt, establishing granular role-based access control and session management.
- Designed normalized schemas in MongoDB and validated end-to-end data pipelines using Postman, preventing data corruption across concurrent user states.

Rowan University Experiential Learning Subsite | *Full-stack web app, external API integration, Agile* *Spring 2025*

- Built a full-stack web application as part of a 5-person team, developing backend functionality and designing database schemas to support user workflows.
- Integrated external services and configured environment dependencies, tracking sprint deliverables via Git and Trello.

LEADERSHIP & PROJECT EXPERIENCE

TechLounge & MakerSpace Assistant Tech Lead | *Rowan University*, Glassboro, NJ *Fall 2024 – Present*

- Manage daily operations and perform hardware diagnostics, calibration, and firmware repairs across high-throughput digital fabrication and 3D printing equipment.
- Train and support dozens of multidisciplinary engineering and computer science students each week on fabrication software, hardware troubleshooting, and technical safety protocols.

ACM Game Dev Committee Head | *Rowan University*, Glassboro, NJ *Fall 2025 – Spring 2026*

- Led a 5-10 person cross-functional team through the full delivery cycle of a user-facing game, *Sundered: The Gilded Curse*, scoping features, setting milestones, and directing engineering and design workflows.
- Iterated on system design based on playtesting feedback to improve usability, clarity, and engagement; refactored core systems for modularity and performance, reducing debugging time.
- Restructured the organization into an interactive workshop model, instructing 20+ members weekly in OOP principles, version control, and game systems logic.

ACM Game Jams | *Rowan University*, Glassboro, NJ *Fall 2024 – Spring 2026*

- Collaborated in fast-paced team environments to prototype and ship user-facing features under tight deadlines, balancing implementation work with UX considerations.

TECHNICAL SKILLS

- **Languages:** Java, Python, C#, C/C++, JavaScript, SQL, PHP, Lua, Rust, GDScript, Shell Scripting
- **Web, APIs, & Databases:** React, Node.js, Express, REST APIs, JWT, Axios, MongoDB, MySQL Workbench, HTML5/CSS3
- **Tools & Practices:** Git/GitHub, Docker, Linux, Postman, Agile/Scrum (Trello), Godot, Unity, Arduino
- **Languages Spoken:** English (Native), Arabic (Fluent), French (Fluent)