RAHEEM MADELEKA

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SUMMARY

Innovative student with experience in designing, developing, and implementing software solutions to address complex problems. Currently in my third year of Computer science seeking work opportunities to apply my technical and collaborative skills to real-world challenges.

EDUCATION

Bachelors Of Science in Computer Science (Honours) & Data Science [GPA: 3.86 / 4.0]   **Expected Grad May 2027**

Awards:

Faculty os Science Dean's List 2024-2025 Semester

PROJECTS

Privolo – Secure Portfolio Sharing Platform   **Jul 2025 - Present**

Technologies: Next.js, TypeScript, Node.js, PostgreSQL, GitHub OAuth, REST APIs

- Developed a secure, privacy-focused portfolio sharing website that allows users to showcase projects while controlling who can view their profiles using OTP-based access.
- Implemented a full-stack architecture with Next.js (frontend) and Node.js + PostgreSQL (backend) to manage authentication, user profiles, and data storage.
- Integrating GitHub OAuth for seamless user onboarding and real-time project synchronization.
- Designed and deployed an access control system that generates time-sensitive unique tokens for recruiters or clients, ensuring secure and auditable access.
- Collaborated with peers using Git for version control, conducting code reviews, and managing pull requests.
- Focused on data privacy, backend security, and user experience, aligning with modern standards of professional portfolio sharing in recruitment tech.

Quant Society MQSMaster   **Jan 2025 - May 2025**

Technologies: Python , C++, Java & PostgreSQL, Jupyter Notebook

Soft skills: Creative Problem Solving, Critical Thinking, Presenting, Collaboration & Teamwork, Communication, Public Speaking

- Collected, cleaned, and integrated real-time Nasdaq market data into the project's database to support testing and live trading.
- Helped structure and align data formats for a smooth integration between market, risk, and performance tables.
- Helped integrate the pipeline ensuring up to date updates between the bot's trade execution and database.
- Collaborated with backend developers to validate data consistency and optimize query performance in PostgreSQL.
- Helped in testing algorithmic trading logic by verifying real-time trade data against predefined risk thresholds.
- Presented any changes and communicated any improvements and setbacks with the team

Kivi Board Game   **Jan 2025 - July 2025**

Technologies: Java, Swing, GitHub & Object - Oriented Programming

Soft skills: Creative Problem Solving, Presenting, Collaboration & Teamwork, Communication, Public Speaking

- Developed a Java-based GUI board game inspired by Kivi, supporting 2–4 players with both human and AI opponents.
- Implemented two AI difficulty levels (Easy and Hard) using rule-based decision logic for strategic gameplay.
- Designed a colour-blind accessibility mode with dynamic colour filters and customizable player preferences.
- Engineered game mechanics including five-of-a-kind and straight-of-six rules, stone replacement logic, and score tracking.
- Built the architecture with object-oriented design principles for scalability and future multiplayer support.
- Integrated save and resume functionality, enabling users to load previous sessions seamlessly.

WORK EXPERIENCE

Memorial University Office Of Development [Data Entry Assistant]   **Jan 2025 - July 2025**

- Updated and maintained alumni information within the university's centralized database system, ensuring data accuracy and confidentiality.
- Verified, cleaned, and corrected large datasets to support alumni engagement and development campaigns.
- Assisted with data entry automation and workflow improvements to optimize record-keeping processes.
- Collaborated with administrative teams to generate periodic reports and summaries for departmental use.

Memorial University Housing Office [Work Control Assistant]   **Jul 2025 - Present**

- Supported the Facilities Management Work Control Center by logging, tracking, and updating maintenance work orders in the university's management system.
- Reviewed service requests and ensured timely communication between departments, technicians, and supervisors.
- Maintained accuracy of facility information, equipment records, and preventive maintenance schedules.
- Collaborated with administrative staff to streamline mail and work-order tracking.