Redwanul Haque

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EDUCATION

CUNY Queens College   **August 2024 – June 2026**
MA in Computer Science, Minor in Mathematics
GPA - 3.61

EXPERIENCE

Graduate Teaching Assistant   **Queens, NY**
CUNY Queens College   *September 2024 – January 2025*
- Graded assignments and provided constructive feedback, helping students understand errors and improve code quality.
- Assisted professor and students in mastering advanced Python topics, including OOP, data structures, and algorithms.

Software Engineer Fellowship   **New York, NY**
Headstarter   *June 2024 – September 2024*
- Conducted code reviews and automated testing (using JUnit) to ensure software reliability and maintainability, reducing bug-related issues.
- Led a project team to deliver a complex software module within a tight deadline, ensuring all project milestones were achieved ahead of schedule.
- Developed and maintained dynamic single-page applications using React.js, enhancing user experience by implementing responsive and interactive UI components.

IT Engineer Internship   **New York, NY**
Watson Farley & Williams   *January 2024 – May 2024*
- Supported the IT team in troubleshooting hardware and software issues, reducing downtime.
- Participated in team meetings and contributed to strategic IT planning and project management.
- Conducted regular system audits and updates, maintaining compliance with industry standards and regulations.

Software Engineer Apprenticeship   **New York, NY**
Code Nation   *January 2022 – May 2022*
- Showcased a strong commitment to continuous learning and improvement throughout the apprenticeship.
- Demonstrated strong problem-solving skills by tackling complex coding challenges and finding efficient solutions.
- Participated in code reviews to improve code quality and ensure adherence to best practices.

TECHNICAL PROJECTS

Turbo Chat Bot | *Front-End + Back-End Development*   *Link*
- Developed an AI-powered chatbot using React.js, integrating Google Gemini API for advanced natural language processing and real-time conversational capabilities.

Portfolio Website | *Front-End + Back-End Development*   *Link*
- Developed a responsive website using HTML, CSS, and JavaScript, featuring interactive interfaces to showcase my software engineering background and enhance user engagement.

Hotel Management | *Back-End Development*   *Link*
- Co-developed hotel management software, implementing the builder pattern for seamless integration and designing an intuitive UI for managing reservations within a structured system.

Web-Based Text Parser | *Front-End + Back-End Development*   *Link*
- Integrated PHP and SQL for efficient data management and built a responsive web app using HTML and CSS to analyze word frequency from user-specified URLs.

Multithreaded Jeopardy Game | *Back-End Development*   *Link*
- Developed a Java-based Jeopardy game with a multithreaded server, using sockets for real-time communication and a robust GUI for seamless host-to-player interaction.

TECHNICAL SKILLS

Systems – Git, Linux, Windows, Docker, Kubernetes, Bash, PowerShell, AWS, Azure

Programming Languages – Java, Python, C++, C, HTML, CSS, PHP, SQL, JavaScript

Frameworks – Django, Flask, Spring Boot, ASP.NET, React.JS

Certifications – Microsoft Certified: Azure Fundamentals

Technical – Cloud Computing, Project Management, CI/CD, Automation, Data Structures, Software Development