Reda Boutayeb

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EDUCATION

Worcester Polytechnic Institute | *Bachelor of Computer Science/Data Science* *Worcester, MA* | **May 2025**
- Cumulative **GPA**: 3.87/4.00
- Member of Cybersecurity Club
- **Relevant Coursework:** Object-Oriented Design Concepts, Systems Programming Concepts, Algorithms, Program Design, Social Implications of Information Processing, Software Engineering, Discrete Mathematics, Software Security Engineering

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WORK EXPERIENCE

Schneider Electric | *Digital Risk Analyst Intern* *Boston, MA* | **06/2023 – Present**
- Analyzed and assisted in mitigating Digital Risks and security events, enhancing the organization's digital safety measures.
- Collaborated on multiple parallel projects within dynamic teams, accelerating project completion and efficiency.
- Generated robust, high-quality analyses using contemporary digital methods, improving accuracy and reliability of data interpretation.

Twitch | *Partner Content Creator* *Cambridge, MA* | **07/2020 – Present**
- Produced and scheduled regular webcasts, tailoring content to audience trends and retention data.
- Proficient in video/audio capture and web broadcasting software, enhancing content delivery and quality.

PROJECTS & LEADERSHIP EXPERIENCE

The Implications of AI on the workforce (IQP)| *Researcher/Intern at ANSI* *Washington, D.C.* | **08/2023 – 12/2023**
- Led research on AI's economic, social, and ethical effects, including job automation and cybersecurity, guiding policy and ethical governance recommendations.
- Developed strategic insights for ANSI and Workcred on workforce reskilling and AI literacy, emphasizing educational reform and inclusive AI policies.

Palindromes, Inversions and Gray Codes | *Individual Java Project* *Worcester, MA* | **03/2023 – 05/2023**
- Created an interactive application to evaluate if strings are palindromes, demonstrating proficiency in string manipulation and control structures.
- Crafted efficient inversion count algorithms using both naive and optimized approaches, and developed a Gray code sequence generator, showcasing algorithmic complexity, optimization, and combinatorial programming.

Massachusetts Data Processing and Lookup Tools | *Individual C/C++ Project* *Worcester, MA* | **01/2023 – 03/2023**
- Crafted Java programs for data parsing and zip code lookup, focusing on Massachusetts towns/cities. Handled data extraction and file manipulation, while also implementing linked lists for information retrieval.

SKILLS & INTERESTS

- **Programming Languages:** Python | C/C++ | HTML | CSS | JavaScript | TypeScript
- **Software/Tools:** Microsoft Office | Axonius | RunZero | Tenable
- **Languages:** English (Native) | French (Native) | Spanish (Full Professional) | Arabic (Beginner)
- **Soft:** Leadership | Communication | Problem Solving | Collaboration | Adaptability | Critical Thinking | Creativity | Initiative
- **Interests:** Assembling Desktops & Minecraft Plugins Development, Paris-Saint-Germain – Marquinhos, Binge-watched Breaking Bad & Monk