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
- **Relevant Coursework:** Object-Oriented Design Concepts, Systems Programming Concepts, Algorithms, Social Implications of Information Processing, Software Engineering, Discrete Mathematics, Software Security Engineering

WORK EXPERIENCE

Schneider Electric | *Digital Risk Analyst Intern*   *Boston, MA* | **06/2023 – Present**
- Developed a Python program utilizing the Pandas library to fetch user data via an API, identifying and notifying individuals with prohibited software on their company devices. This initiative led to a 78% reduction in the prevalence of unauthorized software.
- Assisted in mitigating Digital Risks and security events, enhancing the organization's digital safety measures.
- Collaborated on multiple parallel projects within dynamic teams using Agile principles to manage workflow.

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.

Capgemini | *Software Engineer Intern*   *Paris, FR* | **12/2017 – 01/2018**
- Implemented a web application in Python and Django with PostgreSQL integration, enhancing internal operational efficiency by 20%.
- Developed a Python-based data analysis tool using Pandas and Numpy to streamline real-time reporting from MySQLServer databases, significantly aiding data-driven decisions.

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.

rbtb.io | *Individual Project*   *Worcester, MA* | **01/2024**
- Developed a personal portfolio website using HTML, CSS, and JavaScript, featuring a CSS-based dark mode toggle and an interactive project showcase with touch-enabled navigation, demonstrating advanced frontend techniques and user experience enhancement.
- Ensured cross-device compatibility with responsive design using CSS Flexbox and Media Queries, and enhanced user navigation through a JavaScript-implemented scroll-to-top button, emphasizing functionality and accessibility.

SKILLS & INTERESTS

- **Programming Languages:** C, C#, C++, Python, HTML, CSS, Java, TypeScript, JavaScript, Racket, SQL, R
- **Libraries:** Pandas, Numpy, React, TailwindCSS, Qt, Boost, Node.js, Django, Express.js, Tkinter, .NET
- **Development Tools:** Visual Studio Code, PyCharm, Webstorm, IDEA, XCode, Git, Github, RStudio, Command Line
- **Databases:** MySQLServer, PostgreSQL
- **Soft:** Leadership, Communication, Problem Solving, Collaboration, Adaptability, Critical Thinking, Creativity
- **Interests:** Assembling Desktops & Minecraft Plugins Development, AI, Innovative Tech Products, Binge-watched Breaking Bad & Monk