Andre Arcaina

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Summary of Qualifications

- Applied critical-thinking skills to develop a full-stack web application using Next.js, Flask, and various frontend and backend technologies, demonstrating strong understanding and experience with React, RESTful communication, API calls with endpoints, and CRUD operations
- Collaborated with club representatives to gather requirements and design specifications, developed Next.js websites while ensuring responsiveness and accessibility, executed thorough testing and implemented code workflows, resulting in successful deployments and positive client feedback

Skills

Languages: Python, JavaScript, Elixir, Java, C, HTML/CSS
Technical: Flask, Next.js, React.js, MySQL, PostgreSQL, TailwindCSS
Developer Tools: VS Code, Git, Node.js, Bash, Docker, Supabase

Relevant Experience

TMUCSA | *Web Developer*   Dec 2023 - Present
- Worked in teams to plan, test, and deploy the web application using Next.js and Vercel
- Working in implementing frontend development and server side logic
- Implemented Dependabot and CodeQL workflows for security measurements and safety

IBM | *IBM Z Ambassador*   Nov 2023 - Present
- Established a school club to educate on IBM enterprise computing, LinuxONE, and z/OS, laying the foundation for a knowledge-sharing platform
- Actively advocated for IBM Z on social media and collaborated with industry professionals, contributing to the widespread awareness and appreciation of IBM Z

Projects

Pyggle | *Python, Flask, OpenCV, Next.js, TailwindCSS* | GitHub   Feb 2024 – Present
- Developed a boggle solver module in Python that utilizes the Depth First Search algorithm to traverse through a given boggle board, finding all possible words and coordinates given a list of words
- Established a web demo application to allow users to utilize the pyggle module through an interactive boggle board, by a user inputted string, or by sending an image for the server to preprocess

WizGallery | *Flask, Next.js, TailwindCSS, Supabase, PostgreSQL, Docker* | GitHub   Jan 2024 – Present
- Developed a full stack web application with Next.js, creating a dynamic platform for showcasing and managing a personal collection of Wizard101 game photos souced from Supabase
- Established a dynamic, well-organized, and responsive web application with a Flask RESTful API structure for optimal user experience and data retrieval

Nectar | *Flask, Next.js, BeautifulSoup4, TailwindCSS* | GitHub   Nov 2023 - Present
- Implemented a user-friendly query form generating statistical models to streamline online shopping and selling, enhancing user connectivity and decision-making while saving time and money
- For Best Creative Use of GitHub, implemented Git, Node.js, and Python's virtual environment for streamlined version control with a distinctive touch

Education

Computer Science Co-op - BSc (Hons)   Sept 2022 – Present
Toronto Metropolitan University (Formerly Ryerson University)

- Activities: President of IBMz Society, Tech Team Lead for PACS, Web Developer for TMUCSA
- Relevant Courses: Probability and Statistics, Web Systems Development, Data Structures