

ANDRE ARCAINA

(647) 632-0808 | andre.arcaina@torontomu.ca | [linkedin.com/in/andre-arcaina](https://www.linkedin.com/in/andre-arcaina) | github.com/andrearcaina

Summary of Qualifications

- Leveraged leadership, design thinking, and analytical skills to develop a client-centric CRUD web application using Django, Next.js, Supabase, and PostgreSQL. Demonstrated a strong understanding and experience with React, RESTful communication, HTTP endpoints, and WebSocket handling, while adhering to software principles.
- Worked closely with club executives to gather requirements and design specifications, developing web applications with a focus on responsiveness, accessibility, and user experience. Conducted comprehensive testing, implemented efficient code workflows, and achieved successful deployed previews, leading to positive client feedback.

Skills

Languages: Python • JavaScript • TypeScript • Rust • Java • C • Elixir • PostgreSQL

Technical: Flask • Django • Next.js • FastAPI • Express.js • React.js • Node.js • TailwindCSS

Developer Tools: VS Code • Neovim • Git • Postman • Bash • Docker • Supabase • Vercel

Relevant Experience

TMUCSA | *Web Development Lead*

Dec 2023 - Present

- Leading a small team to plan, test, and deploy a web application using Next.js and Vercel.
- 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.
- Actively advocated for IBM Z on social media and collaborated with industry professionals.

Projects

Vivid Fitness | *Django, Next.js, TailwindCSS, Supabase, PostgreSQL, WebSockets* | [GitHub](#)

Jan 2024 - Present

Full Stack Development, QA Testing, Scrum Methodology

- Led the development of a Software as a Service application enabling real-time interaction, finance and membership management, and profile services for members, coaches, and treasurers for amateur fitness clubs
- Implemented a JWT user authentication system, ensuring protected access across various club roles within the web service, aligning with user authorization and security standards.
- Lead the implementation of a real-time chat feature using Django Channels and JavaScript's built-in WebSockets API, resulting in a notable reduction in response time and significantly enhancing user engagement within the application.
- Managed and executed tasks from a Product Backlog, following Scrum principles in the software development lifecycle.

Pyggle | *Python, FastAPI, OpenCV, EasyOCR, Next.js, TailwindCSS* | [GitHub](#)

Feb 2024 - Present

Data Structures & Algorithms, Full Stack Development, Computer Vision

- 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.
- Implementing 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.

Nectar | *Flask, Next.js, BeautifulSoup4, TailwindCSS* | [GitHub](#)

Nov 2023

Full Stack Development, Web Scraping

- Managed the development, testing, and strategic planning of a client-centric e-commerce web application incorporating web scraping technology, aimed at optimizing buying and selling processes.
- Implemented a user-friendly query form generating statistical models to streamline online shopping and selling.
- Winner of UofT's NewHacks2023 Best E-commerce Hack and Best Use of GitHub

Education

Computer Science Co-op - BSc (Hons)

Sept 2022 - Present

Toronto Metropolitan University (Formerly Ryerson University)

- Activities: President & Founder of IBMz Society, VP of Finance for PACS, Web Development Lead for TMUCSA
- Relevant Courses: Comparative Programming Languages (SmallTalk-80, Elixir, Haskell, Rust), Web Systems Development (HTML/CSS, JS, PHP, MySQL, Vue.js), Data Structures (Common Lisp)