

Fouzan Abdullah

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EDUCATION

Brock University

Bachelor of Science in Computer Science

St. Catharine's, ON

July 2024

EXPERIENCE

Software Developer Intern

Resemble AI

April 2025 – June 2025

San Francisco — Remote

- Built a full-stack Canva app using React and Node.js, enabling users to generate AI voiceovers via the Resemble TTS API, select voices dynamically, and drag-and-drop audio into designs using Canva's SDK.
- Developed a secure Express backend deployed on Render to proxy API requests and upload synthesized audio to Google Cloud Storage, including secure API key handling, CORS configuration, and error management.

Web Developer

Mindwings

January 2024 – January 2025

Ontario — Remote

- Developed and maintained a responsive website, improving SEO and accessibility, leading to a 40% increase in engagement and 60% lower bounce rate within 3 months.
- Integrated third-party APIs and secure authentication, enhancing functionality across the stack and improving user experience.

Technical Coordinator

Waterdown Community Center

May 2024 – August 2024

Waterdown, Ontario

- Revamped the community center's WordPress website, improving load times by 40% and mobile responsiveness.
- Collaborated with stakeholders to implement process improvements, automating data management and enhancing operational efficiency by 25% through streamlined workflows.

IT Systems Analyst

Ontario Ministry of Natural Resources and Forestry

June 2022 – September 2022

Ontario — Remote

- Designed and automated scalable data pipelines using Python and Azure DevOps, ensuring high availability and scalability of forestry data systems.
- Designed and deployed client-facing solutions using Power BI and PowerShell, streamlining workflows and reducing processing time by 30 minutes.

PROJECTS

Genetic Algorithm For Decryption Cipher | Python, Pycharm

github.com/FouzanAbdullah/GA

- Achieved 20% faster decryption than traditional methods by implementing a genetic algorithm for cryptanalysis in Python.
- Enhanced algorithm accuracy through experiments with various parameters like population size, mutation rate, and chromosome length.

Brock Interactive Training Engineering System | TypeScript, Git

github.com/FouzanAbdullah/BITES

- Led the project as Product Owner, overseeing task delegation, progress tracking, and backlog prioritization using Scrum, resulting in a 25% increase in user engagement.
- Defined project requirements and prioritized features through cross-functional collaboration, ensuring a successful launch and receiving positive feedback for leadership and project management.

RehabMate | Python, TypeScript

- Developed a web application that generates customized post-ACL surgery recovery plans using a trained large language model based on user inputs like age and fitness level.
- Integrated a real-time chat bot to allow users to modify exercise plans, track progress, and make data-driven adjustments.

LANGUAGES AND TOOLS

Languages and Frameworks: TypeScript, Python, React, Node.js, C/C++, Java, PHP

Tools: Git, Jira, Wordpress, Docker, Google Cloud Platform

Database Management : Firebase, PostgreSQL, MongoDB, SQLite

Cloud and DevOps : AWS, CI/CD, Azure, Docker, Kubernetes