

Julia Yeon

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TECHNICAL SKILLS

Languages: Java, C, C#, MySQL, TypeScript, HTML, CSS, JavaScript, R, PHP, Python, Clojure
Frameworks: Vue.js, Flask, .NET, Pytorch, Node.js, JUnit, Espresso, Next.js, Pytest, Cypress, Jest, Celery, Bootstrap
Developer Tools: Git, Linux, VS Code, VS, Docker, AWS EC2, Android Studio, IntelliJ, Postman, Microsoft 365
Library: React, PrimeVue, Marshmallow, Numpy, Firebase SDK, Tailwind CSS, Mongoose, OpenAI (Python SDK)

EDUCATION

Dalhousie University Sep. 2021 – Sep. 2025
Bachelor of Computer Science (CO-OP) (GPA 4.0/4.3) Halifax, NS

EXPERIENCE

Software Development Intern Jan. 2025 – Apr. 2025
Dash Social Halifax, NS

- Implemented real-time DM and comment updates in the Community service using WebSocket with Vue.js, reducing user response time by 30% and increasing engagement by 20%.
- Unified multi-brand social media management with filtering for clients, enabling faster responses and stronger customer engagement.
- Rigorously developed and maintained unit and integration tests using Pytest and Jest, achieving 100% coverage of critical edge cases, significantly improving code reliability.
- Designed and implemented comprehensive end-to-end tests with Cypress, ensuring flawless user flows and preventing regressions across releases.

Software Development Intern May 2024 – Aug. 2024
Dash Social Halifax, NS

- Built and maintained Vue.js components for the Social Listening dashboard, enabling real-time visualization of sentiment trends, mention volumes, and media type distributions through interactive charts.
- Developed an automated schema validation and asynchronous task system using Python, eliminating manual processes to save significant time and reduce operational costs, while tripling backend processing speed.
- Extended and debugged key features like real-time notifications and reporting, improving accuracy and speed. Automated workflows to cut client processing time by 25%, saving 10 hours per week per client.

Application Development Intern Sep. 2023 – Dec. 2023
Atlantic Canada Opportunities Agency Halifax, NS

- Developed and migrated the company's data-management system to the in-house ACOA File Plan Project using PowerApps and Dataverse, improving record organization and enabling faster document retrieval and stronger governance, resulting in estimated time savings of 20+ hours per month.
- Created clear design documents outlining project scope, milestones, and technical details.
- Led daily SCRUM meetings with 20 team members to keep everyone on the same page and track progress.
- Developed a REST API using C# and .NET to optimize data access between PowerApps and Dataverse, implementing server-side caching and conditional querying to reduce redundant database calls by 45%, resulting in over \$1,000 in annual cost savings.

PROJECTS

AI Voice Assistant 🎧 | *Python, OpenAI API, gTTS, speech_recognition, PyAudio* May 2025

- Developed a multilingual voice assistant using speech recognition and OpenAI's GPT API, supporting real-time conversation, speech output, and voice-controlled termination.

K-Beauty Homepage 🎧 | *Vue.js, PrimeVue, CSS, JS, Node.js, MongoDB* Feb. 2025 - Present

- Developed a dynamic and user-friendly homepage for a hair salon using Vue.js, delivering a responsive and visually appealing interface tailored for a real business environment.

ArtworkBoard 🎧 | *PHP, MySQL, MAMP, JS, HTML, Bootstrap* Jan. 2023 - Apr. 2023

- Worked on the server-side of a Bootstrap-based website using PHP, implementing dynamic features through a database management system and various data structures.