

Julia Yeon

902-830-9861 | yeonyt0345@gmail.com | [linkedin.com/in/julia-yeon](https://www.linkedin.com/in/julia-yeon) | github.com/juliayeon0906

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, VS Code, VS, Docker, AWS EC2, Android Studio, IntelliJ, Postman, Microsoft 365, Jupyter
Library: React, PrimeVue, Marshmallow, Numpy, Firebase SDK, Tailwind CSS, Mongoose, OpenAI (Python SDK)

EDUCATION

Dalhousie University Sep. 2022 – Sep. 2025
Bachelor of Computer Science (CO-OP) (GPA 4.0/4.3) Halifax, NS

EXPERIENCE

Software Development Intern May 2024 – Aug. 2024 / Jan. 2025 – Apr. 2025
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.
- 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%.
- Developed an automated schema validation and asynchronous task system using Python, cutting manual errors by 40% and tripling backend processing speed, resulting in significant time and cost savings.
- Collaborated with the development team using the Agile framework to deliver powerful features for the clients quickly and flexibly.
- Rigorously developed and maintained unit and integration tests using Pytest and Jest, achieving 100% coverage of edge cases. Additionally, implemented end-to-end tests with Cypress to ensure robust user flows.
- 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 more efficient retrieval and governance of digital documents.
- Created detailed design documents to define project scope, milestones, and technical specifications, and facilitating clear communication among 20 team members during daily SCRUM meetings.
- 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 approximately \$90 monthly cost savings.

VP Internal Sep. 2022 – Aug. 2024
Association of Korean-Canadian Scientists and Engineers Halifax, NS

- Organized monthly networking events to connect science and engineering students with alumni.
- Managed financial statements for the Atlantic region of AKCSE using Excel to budget for future events.

PROJECTS

AI Voice Assistant | Python, OpenAI API, gTTS, speech_recognition, PyAudio May 2025 - Present

- Developed a multilingual AI voice assistant using speech recognition and OpenAI's GPT API. The assistant supports real-time conversation, voice synthesis, and graceful shutdown via natural voice commands.

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.