

# FREDERICK GO

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## EXPERIENCE

**Machine Learning Operations Engineer Intern - Production Pipeline Team Lead** May 2024 - Aug 2024  
*VosynAI* Toronto, ON (remote)

- Led a team of 18 engineers in designing and building a robust pipeline for a global CDN service, aiming to support 200+ million users.
- Orchestrated agile sprints, effectively managing task assignments and team progress through weekly meetings.
- Automated Docker image build and deployment using GitHub Actions/Workflow, integrating with AWS services
- Architected and provisioned scalable AWS infrastructure, including Lambda, EC2, ECR, ECS, and S3, to support the pipeline's development and maintenance.
- Served as the primary point of contact for cross-functional collaboration between different teams and departments.
- Developed Python scripts for efficient processing of multi-modal data, enhancing the user experience by optimizing performance and reducing latency.

**Full-stack Developer** (freelance/volunteer) Dec 2022 - Present  
*St. Joseph's Children's Centre* Halifax, NS (On-call/hybrid)

- Revitalized and updated the organization's website, on WordPress & PHP, to ensure accurate and current information.
- Addressed prior site neglect, resolving issues promptly and ensuring the site now provides up-to-date information.
- Resolved issues with email inquiries resulting in clients in interest sending emails via a form easily.

**Web Developer** (freelance) [Visit] Jan 2024 - Mar 2024  
*Parkbom Academic Institution* Geoje, South Korea (remote)

- Led the development and launch of a responsive website using NextJS ensuring 99.99% uptime via AWS.
- Developed a website leading to 20%+ increase in incoming inquiries with many questions answered prior to appointments.
- Collaborated with cross-functional stakeholders to gather feedback including modifying based on business requirements.

## EDUCATION

**Dalhousie University** Sep 2020 – May 2023  
*Bachelor of Computer Science, Minor in Statistics (GPA: 4.15 / 4.3)* Halifax, NS

- Certifications: Communication Technologies & Cyber Security, Data Science

## PROJECTS

**freddiego.dev** | *NextJS, Sanity.io, TailwindCSS, TypeScript, Vercel, etc.* [Visit] Mar 2024 - Present

- Personal portfolio website showcasing expertise with responsive design, constantly evolving with new features where I test and learn the newest and the latest technologies.

**NotifyAll** | *AWS (EC2, DynamoDB, Lambda...), NextJS, Python, Docker, Vercel, etc.* [Demo] Jan 2023 - Apr 2022

- Developed a SaaS web service with AWS backend and NextJS frontend, aimed to learn Cloud Computing in depth.

**Trello Platform Clone** | *Java, JUnit, JavaScript, React, Material UI, MySQL, etc.* May 2022 - Aug 2022

- Cloned and built a meeting management platform, Trello, following agile principles.

**Mini Blogs** | *PHP, MySQL, etc.* [View] Sep 2021 - Nov 2021

- Developed a mini blog website with a focus on server-side scripting and frontend-backend integration.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C#, MySQL, JavaScript, TypeScript, HTML/CSS, PHP, R

**Frameworks:** Next.js, React, TailwindCSS, JUnit, Material UI, Bootstrap

**Tools/Libraries:** Pandas, NumPy, Matplotlib, ScikitLearn, Git, Docker, AWS, VSCode, Wireshark, MongoDB, DynamoDB

**Others:** Vercel, Node.js, Scrum, Agile, RestAPI, IDEs (VSCode, IntelliJ), Figma, Microsoft Office, Slack

## LEADERSHIP EXPERIENCE

**Course Representative** - Dalhousie University

- Served as a course representative to represent the classes, developing strong leadership, and communication skills.

## CERTIFICATIONS & AWARDS

- Google Data Analytics Certificate
- Docker Foundations Professional Certificate
- Sexton Scholar/Distinctions (Dalhousie University): Awarded to those who maintain 3.85+ GPA