Frederick Go

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Education

Dalhousie University   *2020 ~ 2023*
Bachelor of Computer Science & Minor in Statistics | GPA: 4.15/4.3   *Halifax, NS*
- Certifications: Communication Technologies and Cyber Security, Data Science

Projects

Freddiego | NextJS, TailwindCSS, TypeScript, Vercel, etc. [My Portfolio]   Jan *2024 ~ Present*
- Continuously evolving personal **portfolio website** using React and advanced features to showcase my expertise.
- Ensured optimal user experience across devices through responsive design principles.
- My portfolio website serves as a testing ground for exploring and mastering emerging technologies.

NotifyAll | AWS, React, Python, Vercel, etc. [Demo Video]   *Jan 2023 ~ Apr 2022*
- Developed **fully functional web service** as a SaaS leveraging IaaS's on AWS.
- Built a user-friendly React frontend connected to AWS database services via HTTP requests.
- Architected and implemented a comprehensive backend system within the AWS ecosystem, utilizing services such as EC2, Lambda, API Gateway, and DynamoDB.
- Successfully established a Multi-Cloud environment through AWS and Heroku integration.

Trello Platform Clone | Java, JUnit, React, Material UI, MySQL, etc.   *May 2022 ~ Aug 2022*
- Collaboratively built a **Trello clone**, a meeting management platform, using agile principles in a team environment.
- Developed interactive React frontend with Material UI, ensuring smooth data retrieval via HTTP requests.
- Contributed to robust backend infrastructure with Java and JUnit testing for reliability and robust functionality.

Mini Blogs | *PHP, MySQL, etc.* [View Website]   *Sep 2021 ~ Nov 2021*
- Collaborated with a team to build a **mini blog website**, exploring server-side scripting and frontend-backend integration.
- Led the frontend development, ensuring seamless communication with the backend.
- Gained valuable experience in server-side scripting and collaborative project management.

Experience

Web Developer (freelance) | NextJS, TypeScript, TailwindCSS, Kakao Map API, Vercel, etc...   *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 Vercel.
- Developed a website leading to 20%+ increase in incoming inquiries with many questions answered.
- Collaborated with cross-functional stakeholders to gather feedback and implement necessary modifications weekly.

Web Developer (freelance) | WordPress, PHP, etc...   *Dec 2022 ~ Dec 2023*
St. Joseph's Children's Centre   *Halifax, NS (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.

Technical Skills

Languages	Java, Python, C/C#, MySQL, JavaScript, TypeScript, HTML/CSS, PHP, R
Frameworks	Next.js, React, TailwindCSS, JUnit, Material UI, Bootstrap
Libraries/Tools	Pandas, NumPy, Matplotlib, ScikitLearn, Git, Docker, AWS, VSCode, Wireshark, MongoDB, DynamoDB
Others	Vercel, Node.js, Scrum, Git, RestAPI, IDEs (VSCode, IntelliJ), Figma

Certifications & Awards

- Google Data Analytics Certificate   *Sep 2023 ~ Jan 2024*
- Sexton Scholar/Distinctions (Dalhousie University): Awarded to those who maintain 3.85+ GPA.   *Sep 2020 ~ May 2023*

Leadership Experience

Course Representative   *2020 ~ 2023*
Dalhousie University
- Served as a course representatives multiple times to represent classes.
- Organized feedback, and resolved raised concerns with the professor. Developed strong leadership, and communication skills.