Donghyeon (Frederick) Go

Pronouns: he/his

hyeongo0317@gmail.com | +1-(902)-580-3648
LinkedIn: https://www.linkedin.com/in/fred-go/
GitHub: github.com/Fredd317
Website: fred-goes-anywhere.space

Summary

I am a diligent and agile learner - currently enrolled in the Bachelor of Computer Science program with a Minor in Statistics - at *Dalhousie University*. I am deeply enthusiastic about **Data Science**, **Web Development**, **Programming**, and **Statistics**.

Currently seeking a position for **Summer 2023 on onwards**!

Education

Dalhousie University   *Sep 2020 - April 2023*
Bachelor of Computer Science with a Minor in Statistics (CGPA: 4.15 / 4.3)   *Halifax, NS*
- Certificates: **Data Science**, and Communication Technologies & Cyber Security
- Significant Courses Taken: **Machine Learning**, Data Mining & Statistical learnings in R, Process of **Data Science** (Grad course cross-listed), Data Visualization, **Software Engineering**, Database Systems, Data Structures & Algorithms, **Web Design & Development**, Server Side Scripting, etc.

Experience

Full-stack Web Developer *Freelancer/Volunteer (Part-time)*   *Dec 2022 - Present*
St. Joseph's Children's Centre   *Halifax, NS*
- Developing / maintaining current website via WordPress platform & PHP.
- Effectively addressed multiple challenges arising from prior neglect of the site and fixed.
- Presently rebuilding the entire website from stretch with the aim of elevating quality of service using React.
- Donating my knowledge and skills in web development and contributing to the support of those in need.

Significant Projects

                                                                                                                             Nov 2022 - Dec 2022
Investigation of Factors Influencing Students' Academic Performances | *R*
- Studied various impacts on students' academic performances to gain proficiency in various R libraries.

Personal Portfolio Website Development | *React, TypeScript, NextJS, Redux, Material UI, etc.*   *Dec 2022 - Present*
- Upgrading my old portfolio website to enhance my web development skills with TypeScript and NextJS.

Predictive Modeling of Car Prices | *R, Python, ScikitLearn, etc.*   *Jan 2023 - Present*
- At present, the prices of both new and used cars have seen a substantial increase. As a result, this project was initiated to determine the most opportune time for the acquisition of my first vehicle.

Trello Platform Clone | *Java, JUnit, React, Material UI, MySQL, etc.*   *May 2022 - Aug 2022*
- Cloned a meeting management platform Trello for academic purposes in a team of 5 people with the main objective of learning the fundamentals of software development in AGILE method and web application building.

Predictive Modeling of Cryptocurrency Prices | *R, Python, ScikitLearn, etc.*   *Sep 2020 - Present*
- To expand my knowledge of cryptocurrencies and machine learning by developing models to predict cryptocurrency prices based only on numeric data fetched from Binance API.

Skills

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

Frameworks: React, NextJS, Node.js, JUnit, Material UI, Bootstrap

Developer Tools: Git, Docker, AWS, VSCode, RStudio, JetBrains, Unity Hub, Wireshark, Vercel, Jupiter Notebook

Libraries: Pandas, NumPy, Matplotlib, Scikit

Natural Languages: English (fluent), Korean (native)

Awards

Computer Science Sexton Scholarships	*2020 - Present*
Dalhousie In-Course Scholarships	*2020 - Present*
Dalhousie Entrance Scholarship	*Sep 2020 - Aug 2022*
Senior Band Award for Excellence *(Halifax Grammar School)*	*Jun 2020*

Volunteer Experience / Others

Course Representative of CSCI 1300 and 1315	*Fall 2020, Winter 2021*
Sunday Suppers Service Volunteer	*Fall 2018 - Winter 2020*

Personal Achievements: Overcame my lack and fear of communication skills, and achieved A+ on a Workplace Communication in CS course!

Interests: Coding, Blockchain Technology, Machine Learning and Artificial Intelligence, Data Science, Rubik's Cubes, Tennis, and Music.