







HYOSEO LEE

Developer

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SUMMARY

Self-taught and motivated software developer with a solid foundation in programming, honed through various hands-on projects and independent learning. Demonstrated ability to quickly adapt and excel in various technology environments.

SKILLS

Languages: Python, C, C++, Pandas, matplotlib, HTML, JavaScript, React, Haskell

Technologies: Git, Github, Google Colab, Jupiter Notebook, OOP, pygame, npm, expo, Heroku, SQL, csv

PROJECTS

Python	Wildfire data analysis Participated in CxC data science hackathon, by using google colab, Jupiter Notebook, Analysed about 22k of data about wildfire with pandas, matplotlib. And create AI model that can predict the size class of wildfire by trying linear regression, logistic regression, and random forest algorithm. It had a successful result, so we could join the main round of Hackathon	https://github.com/hyowon2jjang/CxC-hackathon
Python, Pygame	Rubik's cube helper Developed a software that helps solving Rubik's cube. Used OOP to implement the virtual Rubik's cube, and create UI of the program using pygame library	github.com/hyoseo837/Rubik-Cube-Helper
Python, Pygame	Infection simulator Developed the program that simulate the pandemic. Used OOP to implement the simulation. saved the result as csv file	github.com/hyoseo837/infection_simulation
C++, SFML	Gravitational motion simulator created a code that calculates simulation of orbital motions of planets and stars based on real physics formula with C++. and visualize on the new window using SFML library.	github.com/hyoseo837/Learning-Cpp
C++	Fractal image Generator Developed a program that generates Newton's fractal in .bmp file format, and measure dimension of the fractal with C++. Wrote an essay about the dimension of fractal using generated images.	github.com/hyoseo837/Learning-Cpp
React	Web based Solitaire game Developed a Solitaire game on web with Create-React-App command. Created functional components represents each card using various hooks to manage complex condition statements. Published via GitHub pages	github.com/hyoseo837/ddanzt
JavaScript	ORBT browser extension game Developed, published the chrome extension in vanilla JavaScript with canvas. Programmed planet's motion and collision by using OOP techniques	github.com/hyoseo837/chrome-extension

EDUCATION

8/2023 - Now	University of Waterloo Candidate for Bachelor of Mathematics, Honours of Mathematics, Co-operative Program	University
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EXPERIENCE

12/2022 - 3/2023	AFTER-SCHOOL TUTOR • Created and filled a table to record lessons, weak points, and questions of each classes, to understand student's academic performance effectively, by communicating with the student.	American School of Warsaw
12/2022 - 3/2023	Ukrainian Refugee center volunteer • Supported engaging, fun, and smooth-running events by participating in stage setting, preparing snacks and balloons, to achieve everything planned before.	Global Expo Centrum Refugee Center
12/2022 - 3/2023	Programming for Service club leader • Used solid interpersonal communication skills to efficiently run project with 6 collaborators. • created GitHub repository and shared with collaborators and managed the project workflow. • reviewed the code and accepted pull request without conflict.	American School of Warsaw

LANGUAGES

English - Fluent, Korean - native