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New Jersey  
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# Hayun Jung

## Student developer

Portfolio: [yun505.github.io/PersonalWebsite/](https://yun505.github.io/PersonalWebsite/)  
[github.com/Yun505](https://github.com/Yun505)

### SKILLS

<b>Web Development</b>	HTML, JavaScript - Node.js(Express), HTML, CSS - Tailwind + Bootstrap, Google API
<b>More Languages/Tools</b>	Python (Numpy, Pandas, Jupyter Notebook, some TensorFlow, pygame), Git, $\text{\LaTeX}$ , Java- javafx, C # -> Unity, C, Lisp, Latex, Git
<b>Communication</b>	Korean (fluent)

### TECHNICAL EXPERIENCE

<b>Music Classifier</b>	June 2021
<ul style="list-style-type: none"><li>• Python GUI(tkinter) that takes in a music file and classifies what type of music it is through a model.</li><li>• Gives recommendations similar to the music inputted.</li><li>• A login / sign up system to use the service.</li><li>• Music can be played or stopped using the GUI.</li></ul>	
<b>Microeconomics Dating Simulator</b>	March 2022
<i>made for my AP Microeconomics presentation</i> <ul style="list-style-type: none"><li>• Made using Ren'Py, to have a narrative style game where the player interacts with the microeconomics textbook.</li><li>• The player tries to answer the textbook's questions in the game.</li><li>• The number of correct answers to the questions give different endings.</li></ul>	
<b>BlackJack GUI</b>	January 2020
<ul style="list-style-type: none"><li>• BlackJack GUI in python using tkinter.</li><li>• Can be played in 1 player, 2 player, or 4 player mode.</li><li>• Cards are given at random, with the choice to hit or pass.</li></ul>	
<b>Rocket Game</b>	June 2022
<ul style="list-style-type: none"><li>• The game is made in Unity/C#.</li><li>• To win the player must go through 2 levels of guiding a rocket to safety.</li><li>• One mishap will cause the player to start the level over.</li><li>• Some obstacles also move randomly making it difficult for the player.</li></ul>	

### EDUCATION

Bergen County Academies, NJ	2019 — present
<b>Courses</b> , AP Computer Science A and Data Structures, Machine Learning, AP Calculus AB, AP Microeconomics, Intro to C Programming, Assembly Language Basics, Math Foundations of CS, Functional Programming, Computational Theory	2020 — 2022

### ACTIVITIES

World Vision(President)	2021 — 2022
Girls Who Code (President)	2021 — 2022
Generation Coders(Social media director)	2020 — present
Lemon Club(President)	2021 — present
NHS + Math tutor	2021 — present
Academy Chronicle (Design Editor)	2021 — present