

Ryan Hakhyeon Cho

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Skills Summary

- **Programming languages** : Python, JavaScript
- **Frontend / Backend** : React, Angular, Node.js, Express.js, HTML/CSS, MySQL, Flask
- **Other tools**: Ansible, Docker, AWS, Azure, Ubuntu, Jenkins, Jira, , Data Analysis-python libraries
- Understanding of various sorting and searching algorithms in order to figure out the variety of cases.
- Passionate learner demonstrated through the past 2 years of studying computer engineering.

Projects

Singular Hearing, British Columbia Institute of Technology Practicum (Sep. 2021 - Dec. 2021)

- Improved the back-end more robust by the port-specific and the web server such as Nginx.
- Developed features - Added various modes selection, Added a progress bar when the audio file is denoised, Displayed each type of denoised audio result which is downloadable, and Compared them with the original file.

City Studio Vancouver, British Columbia Institute of Technology Practicum (Jan. 2021 - Apr. 2021)

- Developed an application for collecting data - <https://citystudiovancouver.com/projects/pycity/>
- Implemented each city's APIs which are given to grab published data.
- Designed all collected data into an excel file sequentially by year and location.

The CI/CD Environment System Design and Provisioning (Jan. 2021 - Dec. 2021)

- Designed the CI/CD environment system through GitLab and Jenkins.
- Implemented real-time notice using Discord.
- Implemented a common CI/CD environment in multiple projects which is completely separated.

Developing Application and Data Analysis (Sep. 2020 - Dec. 2021)

- Maze game written in Python and hang-man, whack-a-mole written in JavaScript in MVC concept.
- Implemented position shuffling using random number generator, arrays, and images.
- Analyzed several databases and determined the best analysis and prediction.
- Designed object-oriented design in order for developing audio library etc.

Education & Certification

FreeCodeCamp Certifications - 2022

- Scientific Computing with Python & JavaScript Algorithms and Data Structure & Data Analysis with Python

Computer Information Technology Diploma - 2019

British Columbia Institute of Technology

- Learned the knowledge of programming design patterns. (OOP, MVC, Clear structure, etc.)
- Worked under the program development life cycle in order to implement appropriate applications.
- Relevant Courses:
Object Oriented Programming, Database System, Applied Algorithms, Developing web applications, Enterprise System Integration, Data Analytics, Provisioning, Service Based, Cloud Computing.

Computer Software Development Bachelor - 2007

SeMyung University, Korea(Republic of)

- Mostly learned about the knowledge of the theoretical algorithms.
- Studied system designs based on engineering mathematics for understanding the hardware level.