

Daniel Yang

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WORK EXPERIENCE

Refyze, Anyang, South Korea — Software Developer

December 2019 - Present

- Created an interactive audiobook application using Java integrated with Firebase, enabling clients to reduce costs on repairing and replacing CD players and discs.
- Designed a customized search engine to enhance user experience and accessibility.

Dr. Jung E Class, Anyang, South Korea — Teaching Assistant

December 2015 - August 2022

- Led marketing campaigns to promote the institute and its Honors program.
- Created new workbooks and games, maintaining the institute's status as a top English education provider.
- Taught advanced-level students, enhancing their listening, note-taking, and public speaking skills through TED speech.

Noma Electronics, Anyang, South Korea — Intern

September 2019 - November 2019

Produced four different advertisements for shoe dryer products utilizing motion typography, computer graphics, and virtual cameras as a groundwork for the sales initiatives.

PROJECTS

IM2Spain — Developer

Developed artificial intelligence model using k-NN to estimate geolocation of image from Spain with extracted visual information.

RuhrValley — Developer

Engineered a website using React and JavaScript providing a collection of problem sets for Korean SAT preparation. Built and structured data in Firebase to evaluate user performance.

Treasure Hunter — Developer

Programmed an interactive game in C#, crafted with Illustrator and Photoshop for asset creation and animation. Developed a data structure to keep track of user progress and achievements.

Snek — Developer

Developed an interactive snake game using C, with pseudo-randomly generated fruits to earn points.

Risc-V CPU — Developer

Created a processor for RISC-V in Logisim with pipelining and ROM-based control logic, supporting over 16 instructions.

SKILLS

Programming Language: Python, Scheme, Java, C#, C, RISC-V, SQL, Go, JavaScript, React, Firebase, MongoDB, CSS

Creative Tools: Adobe After Effects, Adobe Illustrator, Adobe Premiere Pro, Adobe Photoshop

Office Tools: Microsoft Office

CORE SKILLS

Creativity Ability to integrate diverse fields and analyze from different perspectives to provide innovative solutions.

Adaptability Quickly learns new skills to meet performance targets in a dynamic environment.

LANGUAGES

Korean, English - Native/Bilingual
Chinese, Spanish - Elementary Level

Leadership & Extracurricular Experience

Prometheus

- Actively participated in a film project by revising original story, casting actors, and scouting locations.
- Led the team to coordinate the project to optimize the budget by 40%.

Berkast Collaborated with a team to create informational videos for Korean students at campus, garnering 8,300 views.

Concord Korean Baptist Church Directed films for thanksgiving, the 40th anniversary, and Christmas events.

EDUCATION

University of California, Berkeley, Berkeley, CA — Computer Science, Film and Media Studies

August 2018 - May 2024

Coursework: Data Structures, Discrete Mathematics and Probability Theory, Machine Structures, Efficient Algorithms and Intractable Problems, Computational Models of Cognition, Optimization Models in Engineering, Machine Structures, Computer Security, Introduction to Machine Learning, Introduction to Database Systems.