

Yeonuk Lee *Software Engineer*

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🔗 <https://github.com/lieeele>

PROFILE

Currently studying computer science in University of People. I am a software engineer with various backgrounds-Finance, Overseas Aids and passion for traveling 15+ countries. Strong C and Javascript algorithm skills. I adapt new frameworks and languages fast and love to take on new challenges. Proficient in C, Javascript, React, Python, HTML/CSS.

EDUCATION

Bachelor's degree/Computer Science, University of People Mar 2022 – present
Currently studying the python programming and computer science.

Programming School, 42 silicon valley programming school Dec 2020 – Jun 2021
42 is a nontraditional and innovative school based on self/peer-to-peer learning through various projects, mostly specializing in C language and algorithms. Fremont

Bachelor's degree/Finance, Hankuk University of Foreign Studies 2014 – 2021
• Merit-based Scholarship South Korea
• Mathematics/Statistics
• Theory of International Financial Management/Financial Laws/Financial Markets

PROJECTS

Pig game, Javascript/Html/CSS [🔗](#)
• Built the dice game that two players can play.
• Implement many features for game and calculate the mathematical probability of winning.

Fillt tetris, C programming/Group Project [🔗](#)
• Built the program that finds the smallest square possible with a set of Tetrominoes.
• This was a team project. My roles were to verify and validate if the input had passed, saved the data that is read from the text file to the right data structure, prevent all possible error cases from happening and to free all the memory that were dynamically used during run time at the end.

Personal portfolio website, Javascript/Html/CSS [🔗](#)
• Built the personal website to market myself better.
• Features such as **filtering, animation effects, changing themes** etc.
• Two themes on my website. One is Spring version that is displayed as a default because It's Spring now. You can see flower rain. By clicking the summer button, It's changed to Summer theme, displaying water wave.

Get_next_line, C programming [↗](#)

- Built the program that returns only one line at a time regardless of the size of file and the number of files.
- Implement very logical algorithms with linked list data structure and file descriptor and use a static variable to handle multiple files together.

Re-creating C library functions [↗](#)

- Re-write my own 60+ C library functions with only few features(**write, malloc, free, open, close**) to have a deeper understanding of libraries, functions and algorithms

Todo App, React/Html/CSS [↗](#)

- Built the Todo application based on my needs.
- Implement priority, deletion, edition and addition features with a mouse cursor and click events.

Sudoku Solver, C/Group Project

- Built a Sudoku Solver in C that is capable of solving Arto Inkala's "World Hardest Sudoku" using **backtracking** and **recursion**.

PROFESSIONAL EXPERIENCE

Programming tutoring, Python instructor

Mar 2022 – present

- Teaching young students about basic programming using python.

Marketing And Public Relations Specialist, World Together(NGO)

2016 – 2016

Seoul, South Korea

- Wrote weekly articles about poverty issue in Africa
- Produced organizational videos to aid in the understanding of the relationship between South Korea and Ethiopia

Ambassador/Internship,

2015 – 2015

UN-Habitat (United Nations Human Settlements Programme)

Seoul, South Korea

- Spearheaded outreach events, contacted companies to get sponsorship, and led event operations
- Wrote several UN-related articles about urban slum, event information, etc.