

Ally Yoorim Kim

allykim@usc.edu | www.linkedin.com/in/allyyoorimkim | www.github.com/allykim12002 | <https://allykim.vercel.app/index.html>

EDUCATION

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| University of Southern California Los Angeles, CA | May 2024 |
| <i>B.S. – Computer Science and Business Administration</i> | GPA: 3.91 |
| <ul style="list-style-type: none">• Honors: Dean's Honor List (Fall 2020 – Spring 2022), Thematic Options Honors Program• Coursework: Data Structures and Object Oriented Design, Full-Stack Web Development, Discrete Methods in Computer Science, Introduction to Information Security | |

SKILLS & LANGUAGES

Skills: C++, PHP, HTML/CSS, JavaScript, SQL, Python, Swift, jQuery, JSON/AJAX, Git, OO-Programming
Languages: Korean (Native Bilingual), Spanish (Conversational)

EXPERIENCE

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| Viterbi School of Engineering | Los Angeles, CA |
| <i>Undergraduate Teaching Assistant</i> | August 2022 – Present |
| <ul style="list-style-type: none">• Guided individual students to debug their C++ programming assignments by showing edge cases and errors• Supervised a class of 300+ students during open office hours by clarifying instructions and answering questions• Simplified lecture topics, including Data Structures, OO-Programming, Time Complexity, and Dynamic Memory | |
| Marshall School of Business | Los Angeles, CA |
| <i>Peer Academic Leader for Macroeconomics</i> | Sep 2021 – Oct 2021 |
| <ul style="list-style-type: none">• Led weekly review sessions to help 10+ Marshall Macroeconomics students understand their course concepts• Researched and provided appropriate practice exercises for 10+ students to apply their theoretical knowledge• Structured weekly sessions to complement lecture plans and improved students' HW quiz performances by ~15% | |
| Korea Business Competition (KBC) | Seoul, South Korea |
| <i>Judge</i> | Oct 2020 – Apr 2021 |
| <ul style="list-style-type: none">• Assessed business proposals and presentations of over 20 business teams from Korean international high schools• Conducted Q&A sessions to review each team's company description, operations, finance, and marketing• Advised teams during 35-minute mentoring sessions by suggesting changes to their business ideas and reports | |

PROJECTS

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| Tic-Tac-Toe <i>Swift, XCode</i> | Jul 2022 |
| <ul style="list-style-type: none">• Engineered a two player Tic-Tac-Toe game using Swift that keeps track of the winning streaks of both players• Experimented with XCode's various features by altering object attributes and upgrading the visual of the game | |
| CereB <i>HTML/CSS, JavaScript</i> AthenaHacks 2022 | Feb 2022 |
| <ul style="list-style-type: none">• Developed a personalized website using HTML/CSS, local memory, and APIs to promote a healthy work life• Brainstormed and designed a creative project using Figma with my new team to produce results in 24 hours | |
| CRUD DVD App <i>PHP, HTML/CSS, SQL</i> | Jan 2022 |
| <ul style="list-style-type: none">• Constructed a search engine using a DVD database that displayed, deleted, and updated films using users' inputs• Incorporated HTML/CSS, Bootstrap, & JavaScript to organize the layout and prevent errors and SQL attacks | |
| Password Cracker <i>Python</i> | Dec 2021 |
| <ul style="list-style-type: none">• Designed a brute force attack password cracker that cracks hashed passwords of up to 8 characters in length• Successfully converted randomly generated passwords of specified lengths into individual MD5 hashes | |

LEADERSHIP & INVOLVEMENTS

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| Co-Vice President Korean Business Student Organization (KBSO) | Aug 2021 – Dec 2021 |
| <ul style="list-style-type: none">• Oversaw the Social Operations and Finance Departments by planning retreats and fundraising campaigns | |
| Vice President of Operations Alpha Zeta | Jan 2021 - Apr 2021 |
| <ul style="list-style-type: none">• Hosted an engaging professional panel through Zoom featuring three start-up entrepreneurs for 250+ attendees | |