Ally Yoorim Kim

allykim@usc.edu | www.linkedin.com/in/allyyoorimkim | www.github.com/allykim12002 | https://allykim12002.github.io/allyykimm/

EDUCATION

University of Southern California | Los Angeles, CA   May 2024
B.S. – Computer Science and Business Administration   *GPA: 3.91*
- **Honors**: Dean's Honor List (Fall 2020 – Spring 2022), Thematic Options Honors Program
- **Coursework**: Principles of Software Development, Introduction to Algorithms and Theory of Computing, Data Structures and Object Oriented Design, Full-Stack Web Development, Introduction to Information Security

SKILLS & LANGUAGES

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

EXPERIENCE

Undergraduate Course Producer   *Los Angeles, CA*
Viterbi School of Engineering   *Aug 2022 –Present*
- Guided individual students to debug C++ programming assignments by demonstrating edge cases and exceptions
- Directed weekly labs of 30+ students, which accelerated the learning process and ensured the quality of their code
- Empowered a cohort of 6 students by serving as the leader and recommending effective study habits for the course

Undergraduate Teaching Assistant   *Los Angeles, CA*
Marshall School of Business   *Sep 2021 – Oct 2021*
- Administered weekly review sessions for 10+ Marshall Macroeconomics students and revisited challenging concepts
- Researched appropriate practice exercises for course students that enhanced and applied their theoretical knowledge
- Achieved a ~15% improvement in students' HW quizzes by structuring each review session to complement lectures

Judge   *Seoul, South Korea*
Korea Business Competition (KBC)   *Oct 2020 – Apr 2021*
- Selected the winners of the competition by assessing business proposals and presentations of over 20 business teams
- Conducted Q&A sessions and strengthened each proposal's operation, financing technique, and marketing strategy
- Collaborated with 10 other judges and standardized the judging rubric, guaranteeing fair expectations for all teams

PROJECTS

Tic-Tac-Toe | *Swift, XCode*   *Jul 2022*
- Engineered a two player Tic-Tac-Toe game that records winning streaks of both players and announces each turn
- Experimented with XCode's various features by altering object attributes and upgrading the appearance of the game

CereB | *HTML/CSS, JavaScript* | AthenaHacks 2022   *Feb 2022*
- Developed an interactive website utilizing local memory and APIs that promotes a personalized work-life balance
- Brainstormed with a new team of four to fabricate the website's design & layout and produce results under 24 hours

CRUD DVD App | *PHP, HTML/CSS, SQL*   *Jan 2022*
- Constructed a search engine using a DVD database that displayed, deleted, and updated films using users' inputs
- Incorporated JavaScript to pay attention to cybersecurity issues and eliminated possibility of hackers' SQL attacks

Password Cracker | *Python*   *Dec 2021*
- Designed a brute force attack password cracker that cracks hashed passwords of up to 8 characters in length
- Converted randomly generated passwords of specified lengths into MD5 hashes to compare to the given database

LEADERSHIP & INVOLVEMENTS

Co-Vice President | Korean Business Student Organization (KBSO)   *Aug 2021 – Dec 2021*
- Superintended the Social Operations and Finance Departments and planned 3 retreats and 15 fundraising campaigns
- Hosted a general meeting with 3 other Korean campus organizations for over 130 students to recruit new members

Vice President of Operations | Alpha Kappa Psi – Alpha Zeta   *Jan 2021 - Apr 2021*
- Executed a professional panel by networking with and inviting 3 start-up entrepreneurs for 250+ attendees on Zoom
- Managed a committee of 5 people and fundraised over $4,000 by designing and selling USC gameday merchandise