Roy S. Choi

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Education

University of California San Diego   **Sept. 2021–Jun 2022**
                                                                    GPA: 3.9

University of Southern California   **Aug. 2022–Dec 2024**
Bachelor of Science in Computer Science, Viterbi School of Engineering   *GPA: 3.85*

Relevant Coursework

- Linear Algebra
- Multivariable Calculus
- AP Computer Science (Score:5)
- Personal Finance
- Intro To Programming
- Discrete Mathematics
- Writing For Engineers

Technical Skills

Java, HTML, CSS, C++, Python, Git

Projects

Car Game | *Java*   **Dec. 2020**

- A Java capstone project, implementing core concepts of Object Oriented Programming and inheritance
- A game where the player objective is to cross a road filled with moving cars, set to pseudo-random speeds, without being hit

Photo Shop Script | *C++, Private Repository please contact to see code*   **Sept. 2022**

- A C++ script which takes in user inputted images of objects/person/etc in a green screen environment and transfers over objects/person/etc onto a user inputted background image
- Implements an image class and algorithmic thinking skills to determine between foreground and background pixels to photo shop an image

Maze Solving Algorithm | *C++, Private Repository please contact to see code*   **Oct. 2022**

- A C++ project which automatically solves solvable mazes using the quickest path if there are multiple
- Implements breadth-first search algorithm to find the quickest path from start to finish

Involvement

Give2Friends Foundation   **June. 2016–Present**
President (2019-2021)   *La Crescenta, California*

- Participated in service projects and volunteer work with the LA Foster Care in the LA County
- Organized and raised funds to execute service projects with 7+ members
- Traveled to Gyeoungju, Korea to teach and tutor mistreated students English grammar and pronunciation

Korean Culture Night Club   **August 2022-Present**
Internal Relationships Director   *Los Angeles, California (University of Southern California)*

- Club goal: to produce a Korean culture showcase event during spring to educate others on the history and pride of Korean culture
- Honed soft/communication skills by keeping 20+ officers of different departments informed about events, planned different social activities to bond with members, and contact external clubs/organizations to collaborate on production

Honors & Awards

- President's Volunteer Service Award: Awarded to young adults age 16-25 for contributing 250+ hours of volunteer service each year
- Provost Honors: Awarded all quarters at University of California San Diego for achieving a 3.5+ GPA.
- Deans List: Awarded all semesters at University of Southern California for achieving a 3.5+ GPA