# SUNGYOUNG MOON

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## EDUCATION

**University of California, San Diego (UCSD)**                                            Expected March 2025

Bachelor of Science in Computer Science

- **Relevant Coursework:**
  Advanced Data Structures, Components and Design Tech/Digital System, Computer Architecture, Computer Graphics, Data Science in Practice, Database System Principles, Design and Analysis of Algorithms, Operating System, Software Engineering, Theory of Computation

## PROJECTS

**Successorator (Planner APP): Java, Android Studio, Git, GitHub** (sungyoungmoon.com/project/successorator)

- Contributed to Successorator, an Android task management app. Used Java, Android Studio, Git, GitHub, and Agile methods to implement hierarchical task prioritization. Planned future updates include personalized productivity features.

**Happy Planting Device: C++, Arduino C** (sungyoungmoon.com/project/happyplant)

- Developed the Happy Planting Device, integrating a moisture sensor and customizable MP3 player for household plants using C++ in Arduino environment. Planned and executed enhancements for optimal plant care and user experience.

## EXPERIENCE

**Web Developer**                                                                              *Sep 2019 - Jun 2021*

Alpha Gamma Sigma, Santa Monica College

- Developed a student database to manage student information and track their progress, including volunteering records, attendance, and membership fees.
- Created and maintained the official website, serving as a central online hub for organization information, updates, and resources.
- Established and managed an e-commerce platform for selling organization-related merchandise.
- Implemented an event calendar system to schedule and organize various chapter events and volunteer activities.
- Designed and maintained a digital library for newsletters, providing an easily accessible resource for members and stakeholders to review past content and updates.

**Administrative Support Specialist,** *Sergeant*                                              *Dec 2014 – Sep 2016*

Republic of Korea Army

- Managed administrative tasks and maintained records using military security databases and software, ensuring security and data integrity.

**Technical Consultant,** *Freelance*                                                          *Jan 2013 – Dec 2014*

Kmong Inc.

- Advised startups on web development and maintenance to drive business success through Kmong Inc.

**Gaming / Anime Community Website,** *Founder*                                                *Oct 2010 – Dec 2014*

- Founded and managed a gaming/anime community website during high school, which reached 100K+ users and 40M+ visits in three years. Led operational decision-making and organized anime events at expos.

## SKILLS

**Programming Languages:** Python, Java, C++/C, SQL, HTML, CSS

**Tools and Technologies:** Git, GitHub, Android Studio, JUnit, OpenGL, Blender.

## ACTIVITIES

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| **UCSD Korean Traditional Drumming Team,** *Vice President* | *2023 - Present* |
| **Transfer Engineering Academic Mentorship Program (TEAM),** *Mentor* | *2023 - Present* |
| **Project in a Box (Engineering Project Development Organization),** *Member* | *2024 - Present* |
| **ACM Engineer Student Community,** *Member* | *2021 - Present* |