

SUNGYOUNG MOON

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EDUCATION

University of California, San Diego (UC San Diego)

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

OTA Engineer, Part-Time

June 2024 – Present

SGS North America, San Diego, CA

- Conduct Radio Frequency Over the Air (OTA) antenna testing on mobile products (CDMA, GSM, LTE, Wi-Fi, 5G) based on client and SGS quality system requirements.
- Perform debugging, test engineering, and system management for wireless clients using tools like EMQUEST, CRTx, and EMC32.
- Maintain industry standard test platforms, troubleshoot issues, and ensure compliance with accreditation.
- Collaborate with customers and test equipment manufacturers to resolve testing issues and deliver high quality service.

Web Developer

Sep 2019 - Jun 2021

Alpha Gamma Sigma, Santa Monica College

- Developed a student database to track student data, volunteering records, and membership fees.
- Created and maintained the official website and an e-commerce platform for merchandise.
- Implemented an event calendar system and a digital library for newsletters.

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

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