SUNGYOUNG MOON

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EDUCATION

University of California, San Diego (UC San Diego)   Sep 2021 - March 2025
Bachelor of Science in Computer Science
- **Relevant Coursework:** Data Structures and Object-Oriented Design, Advanced Data Structures, Design and Analysis of Algorithms, Operating Systems, Computer Security, Software Engineering, Database Systems, Computer Architecture, Recommender Systems, Theory of Computation, Digital Systems Design

PROJECTS

Successorator (Planner APP): Java (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 Test Engineer, Part-Time   *June 2024 – Present*
SGS North America, San Diego, CA
- Conduct Radio Frequency Over-the-Air (OTA) antenna testing for major clients including Google and Samsung on mobile products (CDMA, GSM, LTE, Wi-Fi, 5G), ensuring compliance with client and SGS quality system requirements.
- Perform debugging, test engineering, and system management for wireless devices using tools such as EMQUEST, CRTx, and EMC32.
- Maintain industry standard test platforms, troubleshoot issues, and ensure compliance with accreditation.
- Collaborate with clients and test equipment manufacturers to resolve testing issues and deliver high-quality service.

Web Developer   *Sep 2019 - Jun 2021*
Alpha Gamma Sigma Honor Society, 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, *Self-employed*   *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: C++, C, Java, Python, SQL
Tools and Technologies: EMQUEST, 5G FR1/FR2 OTA, Regulatory Testing

ACTIVITIES

ACM Engineer Student Community, *Member*	*2021 – 2025*
Project in a Box (Engineering Project Development Organization), *Member*	*2024 - 2024*
Transfer Engineering Academic Mentorship Program (TEAM), *Mentor*	*2023 - 2024*
UCSD Korean Traditional Drumming Team, *Vice President*	*2023 - 2025*