

TITUS HYUNKYU LEE

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EDUCATION

University of Virginia, School of Engineering and Applied Science, Charlottesville, VA
B.S. in Electrical Engineering and Computer Engineering | Minor in Engineering Business

August 2023 - Present

- Cumulative GPA: 3.9/4.0.
- Relevant Coursework: Data Structures and Algorithms, Discrete Mathematics and Theory, Mathematics of Information, Computer Systems and Organization, Applied Circuits, Digital Logic Design.
- Recipient, A. James Clark Scholars Program at UVA, Clark Scholar (one of 17)

Study Abroad Program: UVA in Guatemala

Summer 2024

Engineering, Public Health, and Community Development

- Studied public health aspects such as infrastructure, healthcare, potable water, sanitation, environment, and education, and examined the influence of economic, political, cultural, and historical factors on these aspects.

PROJECTS

Task Manager Web-Application

Spring 2024

- Created a task manager web application using HTML, CSS, and JavaScript, integrating various features such as a Pomodoro timer, live date, time, and weather updates, to-do lists, study playlists, etc.
- Utilized JSON and browser local storage to ensure reusability of website across different sessions.

AI Tic-Tac-Toe Application

Fall 2023

- Developed a Tic-Tac-Toe application using Python with options of either playing with two players or against a computer model.
- Coded AI program implementing a Pure Monte-Carlo Tree Search algorithm in Python. Engineered application to limit the number of simulations determining the accuracy of the AI model based on the user's desired difficulty level.

Personal Portfolio Website - titushyunkyu.com

Fall 2023

- Designed and coded a personal professional portfolio website leveraging HTML, CSS, and JavaScript to display other projects online.

SKILLS

- Programming: Python, Java, JavaScript, JSX, Bash.
- Technical: ReactJS, MATLAB experience, Microsoft Office Suite (Word, PowerPoint, and Excel), Computer Aided Design.
- Languages: English (Native), Korean (Native), Tagalog (Basic), Swahili (Basic).

WORK EXPERIENCE

Camp Counselor, Triple R. Ranch, Chesapeake, Virginia

Summer 2021

- Guided and maintained a group of 20 elementary boys out of about 200 campers at a summer camp. Led campers in different activities such as outdoor games, recreation, story-telling, music sessions, and group discussions. Studied various equipment and improvements necessary to ensure safety for all campers.

AWARDS AND RECOGNITIONS

- Honors: High School Valedictorian (2023), Graduated High School with High Honors (2023).
- Awards: Faith Academy STEM Award (2023), John Philip Sousa Award (Band Musicianship Award, 2023), AP Capstone Diploma (2023), AP Scholar with Distinction Award (2023), AP Scholar with Distinction Award (2022).

LEADERSHIP EXPERIENCE

Chairman, Faith Academy Student Executive Council, Rizal, Philippines

August 2022 - May 2023

- Organized and coordinated various school activities and social events such as high school retreats, banquets, fundraisers, etc. Presented regular announcements and speeches to student body of about 300.

President, Faith Academy National Honor Society, Rizal, Philippines

August 2022 - May 2023

- Planned and managed various social activities such as blood drives, charities, tutoring, teacher appreciation, etc. with funds up to more than 200,000 PHP, equivalent to about 3,600 USD from charities.

Team Captain, Faith Academy Varsity Soccer, Rizal, Philippines

August 2022 - December 2022

- Managed and organized team meetings. Led team while traveling abroad for an international tournament. Coordinated team plays on field and encouraged team spirit.