Panas Khongphatthanayothin

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Education

University of Southern California, Bachelor of Science, Los Angeles, CA   January 2022-Present
Viterbi School of Engineering Biomedical Engineering, GPA: 3.55, Recipient of Dean's list

International School Bangkok, High School Diploma, Bangkok, Thailand   August 2017-May 2021
GPA Weighted: 6.32/7
Honors: Honor roll, Sportsmanship award: Varsity Swimming

Relevant Skills

- Languages: Thai (Native), English (Fluent), Japanese (Intermediate)
- Engineering and Programming: Python, Fusion 360, 3D printing (Prusa, Cura, Makerbot), MATLAB, Microsoft Office

Leadership and Involvement

USC 3D4E Lab tech, Los Angeles, CA   August 2022-Present
- Troubleshot and resolved equipment in the 3D printing lab
- Assembled new 3D printers
- Researched new methods and 3D printing techniques

USC Tikkun Olam Makers Design lead assistance, Los Angeles, CA   January 2023-Present
- Assisted Design lead and other members in creating personalized equipment for people with disability

Design and Technology club President, Bangkok, Thailand.   August 2019-May 2021
- Planned and organized student projects in designing tools and equipment for the community around campus
- Organized school activities related to learning more about 3D printing and hardware skills

USC Apollo Chorus, Los Angeles, CA   January 2023-Present

Projects

3D modeling using Python   February 2023-Present
- Automating simple 3D models without the use of CAD software

Desk Roomba   September 2022-Present
- A mini cleaning robot meant to be used in smaller spaces using Arduino and 3D modeling

3D printed robotic finger   June 2020-August 2020
- Using 3D printing, Arduino, and general physiology to design a robotic part that represents a human finger

Vortex cannon team leader   October 2020-February 2021
- A large air cannon used to demonstrate air vortex in science class