JACKY LAM

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EDUCATION

The University of Oklahoma
- Bachelor Degree: Major in Electrical Engineering || Minor in Mathematics || GPA: 3.40
- Graduation Date: 17th December 2022

PROFESSIONAL EXPERIENCES

2021: Research Ambassadors Program – National Center for Science and Engineering Statistics (NCSES) (Remote – Seattle, United States)
- Experimented with electrical components and hardware from NCSES (hosted by National Science Foundation) and The Oak Ridge Institute for Science and Education (ORISE).
- Conducted national surveys and applied data analysis. Designed hardware oriented solutions with Eagle software and gave weekly presentation to groups of NCSES representatives.

2017-2019: Programmer and Creative Design – Sun System Cooperation (Bangkok, Thailand)
- Created software prototypes with Java and C in Nuance Communication Software and Putty Software.
- Proposed a new database structure to improve the company's communication system and its overall efficiency to the CEO. The plan was later implemented by the company.

LEADERSHIP EXPERIENCES

2021-2022: President – Gamma Beta National Fraternity
- Planned monthly events to promote diversity across campus and tighten the organization as a whole.
- Made a positive impact on the local community by participating in community service events such as street cleaning and fundraising for charities (i.e. Breast & Liver Cancer Awareness).

2019-2021: Mechanical & Electrical Supervisor – University of Oklahoma Robotics Team
- Led weekly meetings for a group of engineering students with interest in robotics and hardware design.
- Built robots for specific tasks to compete with different universities using different electrical components.

2018-2019: Team Leader – University of Oklahoma Robotics Club
- Mentored students to compete in semesterly robotic competitions involving Arduino Uno microcontroller.

PROJECTS

2021-2022: Hardware & Mechanics Lead – University of Oklahoma Final Engineering Showcase
- Designed and presented a wireless control robot from scratch to SPIERS NEW TECHNOLOGY in teams of 7.

2018-2021: Team Coordinator – University of Oklahoma Sooner Rover Team
- Collaborated with students and mentors from NASA, TiMOTION Technology, and SolidWorks to design, build, and document the Mars Rover's movement logic for college-level challenge competitions.

SKILL SETS

Softwares
Adobe Creative Suite, Arduino, AutoCAD, Eagle, Intel Quartus Prime, LabVIEW, MATLAB, MBed, MCUXpressoIDE, Microsoft Office, Model Sim, NI Multisim, Nuance Communication, PuTTy, SolidWorks

Programming Languages
C*, C++, HTML, Javascript, Python, Verilog

Others
Collaboration, Communication, Editing, Management, Organization, Problem-Solving, Troubleshoot

HONORS AND AWARDS

2021 - 2022: University of Oklahoma Dean's Honor Roll
2018: International Baccalaureate Certificate
2018: KIS International School Bilingual Certificate
2018: KUMON Mathematics Advanced Student Certificate & Award

LAUGUAGES

Fluent in Thai and English