



# Peerapat Lam

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## About Me

As an Electrical Engineering graduate with a minor in Mathematics from The University of Oklahoma, I'm passionate about future technological innovations revolving around electric vehicles, robotics, and artificial intelligence. My current goal is to work for a multinational company as part of a team that aims to bring a healthier lifestyle to my community and country in the future.

## 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

### Other Essential Skills

Collaboration, Communication, Editing, Management, Organization, Problem-Solving, Research, Team Player, Troubleshoot

## Work Experience

May 2021 - July 2021

### Research Ambassadors Program

*National Center for Science and Engineering Statistics (NCSES)*

Remote – Seattle, Washington, United States

- Tested electrical components and hardware from NCSES and ORISE.
- Analyzed national survey data, designed hardware solutions with Eagle software, and presented weekly to NCSES representatives.

May 2017 - August 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 an optimized database structure to improve company communication and efficiency.

## Projects

August 2021 - December 2022

### Hardware & Mechanics Lead

*The University of Oklahoma Final Engineering Showcase*

- Worked in teams of 7 to design and present a **wireless control robot** from scratch to **Spiers New Technology**.
- Worked with a motor control module and wrote code in Python for a **Raspberry Pi microcontroller**.

August 2018 - August 2021

### Team Coordinator

*The University of Oklahoma Sooner Rover Team*

- Coordinated cross-functional teams and collaborated with **NASA**, **TIMOTION Technology**, and **SolidWorks** to design, build, and document Mars Rover movement logic for college-level competitions.

## Education

2018 - 2022

**The University of Oklahoma, United States**

**Bachelor of Science in Electrical Engineering**

Minor in Mathematics

GPA: 3.4 / 4.0

2003 - 2018

**KIS International School, Thailand**

**International Baccalaureate**

## Associations

August 2021 - August 2022

### President

*The University of Oklahoma Gamma Beta National Fraternity*

- Planned monthly events to promote diversity and strengthen the fraternity as a whole.
- Additionally, participated in community service events like street cleaning and fundraising for Breast & Liver Cancer Awareness.

January 2019 - August 2021

### Mechanical & Electrical Supervisor

*The University of Oklahoma Robotics Team*

- Led weekly meetings for engineering students interested in robotics and hardware design.
- **Built robots for competition** with other universities using various electrical components and microcontrollers.

August 2018 - January 2019

### Team Leader

*The University of Oklahoma Robotics Club*

- **Mentored students to compete** in semesterly robotic competitions involving Arduino Uno microcontroller.
- Worked with **SolidWorks** and **Adobe Illustrator** to **3D design and print out** robotic components.

## Honors & Awards

2021 - 2022

**The University of Oklahoma Dean's Honor Roll**

2018

**International Baccalaureate Certificate**

2018

**KIS International School Bilingual Certificate**

2018

**KUMON Advanced Student Certificate**

## Language

Fluent in Thai

Fluent in English