

TARAN ANUSORN

PROSPECTIVE GRAGUATE STUDENT

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CURRENT RESEARCH INTERESTS

- Applied Electromagnetics and Photonics in Various Systems
- Terahertz (THz) Technology
- Microwave and Millimeter Wave Engineering
- Modern Communication Systems

EDUCATION

Chulalongkorn University

Bangkok, Thailand

Bachelor of Engineering in Electrical Engineering (1st class honors)

July 2023

- Elective specialization: Communication and Control Engineering
- GPA: 3.94/4.00
- Senior project: Design and Development of Reflecting Metasurfaces for 5G and Beyond Wireless Communication Systems (Collaborating with National Electronics and Computer Technology Center)
- Senior project advisors: Dr.Panuwat Janpugdee, Dr.Suwit Kiravittaya, Dr.Paramin Sangwongngam

WORK EXPERIENCE

National Science and Technology Development Agency (NSTDA)

Pathum Thani, Thailand

Research Assistant Intern

May 2022 - July 2022

- Designed and developed the visible light communication system using a Raspberry Pi camera for an indoor positioning system.
- Advisor: Dr.Pornanong Pongpaibool

SKILLS AND COMPUTER LITERACY

High Frequency Measurement

Vector Network Analyzer, Optical Time Domain Reflectometer

Computer-Aided Design

Ansyes HFSS, CST Microwave Studio, PathWave ADS, AutoCAD

Computer Programming

MATLAB, Python, C/C++, Linux

Graphic and Document

L^AT_EX, MS Office, Jekyll

RELEVANT COURSEWORKS

Microwave Engineering, Principles of Antennas, Semiconductor Devices, Optical Fiber Communication, Mobile Communication and Network, Artificial Intelligence for Engineering, Stochastic Processes, Smart Grid Technology, Industrial Automation

EXTRACURRICULAR ACTIVITIES

1. **Director of the KH50 Volunteer Camp (May 2023)** - planned and organized the summer volunteer camp in the rural village, advised various volunteer projects in the camp, raised 400k in funds, and coordinated with both private and government agencies.
2. **Club President, Residence of Chulalongkorn University Volunteer Club (Jun 2021 - Jun 2022)** - organized multiple volunteer activities, including camps and workshops, and managed over 500k in the club budget.
3. **Member of Battery Team, CU Racing-Electric Club (Aug 2021 - Apr 2022)** - designed and implemented the battery system of an electric racing car.
4. **Member of the Event Creator Team, NITAD 18 Engineering Exhibition (Dec 2021 - Mar 2022)** - conceived and planned multiple online events.
5. **Member of CSR Team, Engineering Student Committee (Jul 2020 - Jun 2021)** - collaborated with the team to conduct multiple CSR activities and coordinated with private companies for sponsorships.