

VERAWOOD LANGVONG

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SUMMARY

Full Stack Developer with NECTEC experience, skilled in React , Next.js , Python, and C++. Built upon a solid foundation in databases (PostgreSQL/MongoDB) and strong communication skills for effective collaboration.

EDUCATION

Chulalongkorn University Bachelor of Engineering Program in Computer Engineering and Digital Technology (CEDT)

SKILLS

Programming Languages : Python, C, C++, Javascript

MLOps/DevOps : Docker, Git, GitHub

Web Development & Tools : React, Next.js, Node.js, Express.js, Postgres, MongoDB, Tailwind CSS, Postman, Figma

INTERNSHIP EXPERIENCES

Research Internship National Electronics and Computer Technology Center (NECTEC) at National Science and Technology Development Agency (NSTDA) (March - May 2025) / Speech and Text Understanding (STU) (Full Stack Developer)

- Developed “AI News”, an AI-powered platform for automated news aggregation and summarization (10 articles/day).
- **Frontend & Design:** Built a responsive web interface using **Next.js**, **Tailwind CSS**, and **Figma** for intuitive UX/UI.
- Utilized **Axios** for seamless API integration and efficient client–server communication.
- **Backend & Automation:** Engineered a **FastAPI (Python)** backend for web scraping and AI model integration (**Gemma**, **Pathumma**).
- **Data & Deployment:** Automated daily updates via **Cron Jobs**, stored data in **JSON**, and deployed with **Docker** on NECTEC’s on-premise servers.

Research Internship National Electronics and Computer Technology Center (NECTEC) at National Science and Technology Development Agency (NSTDA) (March - May 2024) / Speech and Text Understanding (STU) (UX/UI Design, Frontend)

- Developed “Theta”, a **LINE Chatbot** for high-school physics learning.
- **Design:** Created intuitive **UX/UI** and **graphics** using **Figma**.
- **Frontend:** Built a responsive web interface with **JavaScript**, **HTML**, **CSS**, and **JSON**.
- **Deployment:** Used **GitLab** for version control and team collaboration to maintain code quality.
- **Achievement:** Received an “Excellent” performance rating for delivering a functional educational tool.

PROJECTS & EXPERIENCES

My Portfolio Website

- Built a responsive personal portfolio using **React** and **Tailwind CSS** to showcase technical skills.

School Merchandise E-commerce (Founder & Developer)

- Developed a product showcase and pre-order platform using **React.js** and **Tailwind CSS**, managing the entire lifecycle from **Figma** design to production.
- Executed digital marketing campaigns and managed vendor negotiations, successfully generating over **50,000+ THB** in revenue.

Motorcycle Rider Detection Model

- Developing a computer vision model to detect illegal riding behaviors using **Roboflow** and AI.

Web Design Hackathon Junior Web Master Camp 13 (JWC 13)

- Designed a user-friendly website prototype using **Figma**, winning the **Popular Vote Award**.

Intelligent Classroom (SMTE Gold Medal)

- Engineered an automated lighting control system using **Arduino (C++)** and sensors for energy efficiency.