

# VERAWOOD LANGVONG

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

## INTERNSHIP EXPERIENCE

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.

## PROJECT & EXPERIENCE

### My Portfolio Website

- Built a responsive personal portfolio using **React.js** 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.

Bangkok, Thailand  
verawoodlans@gmail.com  
+6683 057 2508  
verawoodportfolio.netlify.app

## EDUCATION

CHULALONGKORN UNIVERSITY  
Bachelor of Engineering  
Faculty of Computer Engineering  
& Digital Technology  
(First-year Student)

## SKILL

### Frontend

- React.js
- Next.js
- Vue.js
- Tailwind CSS

### Backend

- Node.js
- Express.js
- RESTful APIs
- Line API
- Python (Web Scraping)
- C/C++

### Database System

- PostgreSQL
- MongoDB

### Tools & Design

- Git, GitHub
- Docker
- Postman
- Figma (UI/UX)

### Other

- ARDUINO
- Robotics
- Basic AI Model

### Soft Skills

- strong communication
- Teamwork & Collaboration
- Adaptability & Learning
- Analytical Mindset

## PORTFOLIO & WEBSITE

---

### Portfolio

- <https://drive.google.com/file/d/1SoiFXi29Qf93TryZrUGP4fh32XOZ237s/view?usp=sharing>



### Website

- <https://verawoodportfolio.netlify.app/>

