

PORT FOLIO

Phurikorn Thongyoi



Data from 2021-2024



PROFILE

Name : Phurikorn Thongyoi

Nickname : Phu

Birth : 01/10/2002

Age : 22 years old

Gender : Male

Address : 118 Soi Chan 2, Chan Road, Thung
Wat Don, Sathon District Bangkok 10120



Education

2016 - 2020 : Suratthani Technical College

Vocational Education Certificate in Electronics

GPAX 3.14

**2020 - 2024 : King Mongkut's University of Technology North
Bangkok**

Bachelor of Engineering Program in Electronics Engineering Technology
(Computer)

GPAX 3.22

Contacts



062-597-6969



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Line ID : phurikorn

SKILLS

Computer Skills

These are skills I learned during my studies, through self-learning, and during my internship. I had the opportunity to participate in various projects, each using different tools.

Therefore, I constantly had to improve myself and gained experience using these tools in real-world applications.

- **Backend**

- Javascript/Typescript
- Python , C/C++
- Node.js / Express.js
- Nest.js
- PostgreSQL , MongoDB
- Prisma , TypeORM
- Docker

- **Fontend**

- HTML / CSS
- React / Next.js
- Mui , tailwind

- **CMS**

- PayloadCMS

- **Tool**

- Postman
- Git/Github
- Jira , Miro
- Notion

- **Languages**

- Thai (Native)
- English (B1)

Soft Skills

- Able to collaborate and communicate effectively with others.
- Have a growth mindset, and believe that you can always improve and get better.
- Able to manage emotions effectively.
- Enjoy challenges and constantly strive for self-improvement.
- I have a flexible mindset and am open to new changes.

EXPERIENCE

Backend developer internship at CODEMONDAY co. ltd

Nov 2023 - Apr 2024



Projects Participated in During Internship and Assigned Responsibilities

- **Healthcare**

- Participated in the development of the Back-office system
- Responsibilities:
 - Designed APIs from requirements in Figma
 - Developed APIs for the Back-office system

- **AR Technology**

- Participated in the development of the Content Management System (CMS)
- Responsibilities:
 - Designed the database and created schema in the CMS
 - Created data seed scripts for adding data to the database

- **Community**

- Participated in the development of the Back-office system and APIs for the mobile application
- Responsibilities:
 - Designed and developed APIs for the mobile application and Back-office
 - Created login documentation for the mobile team

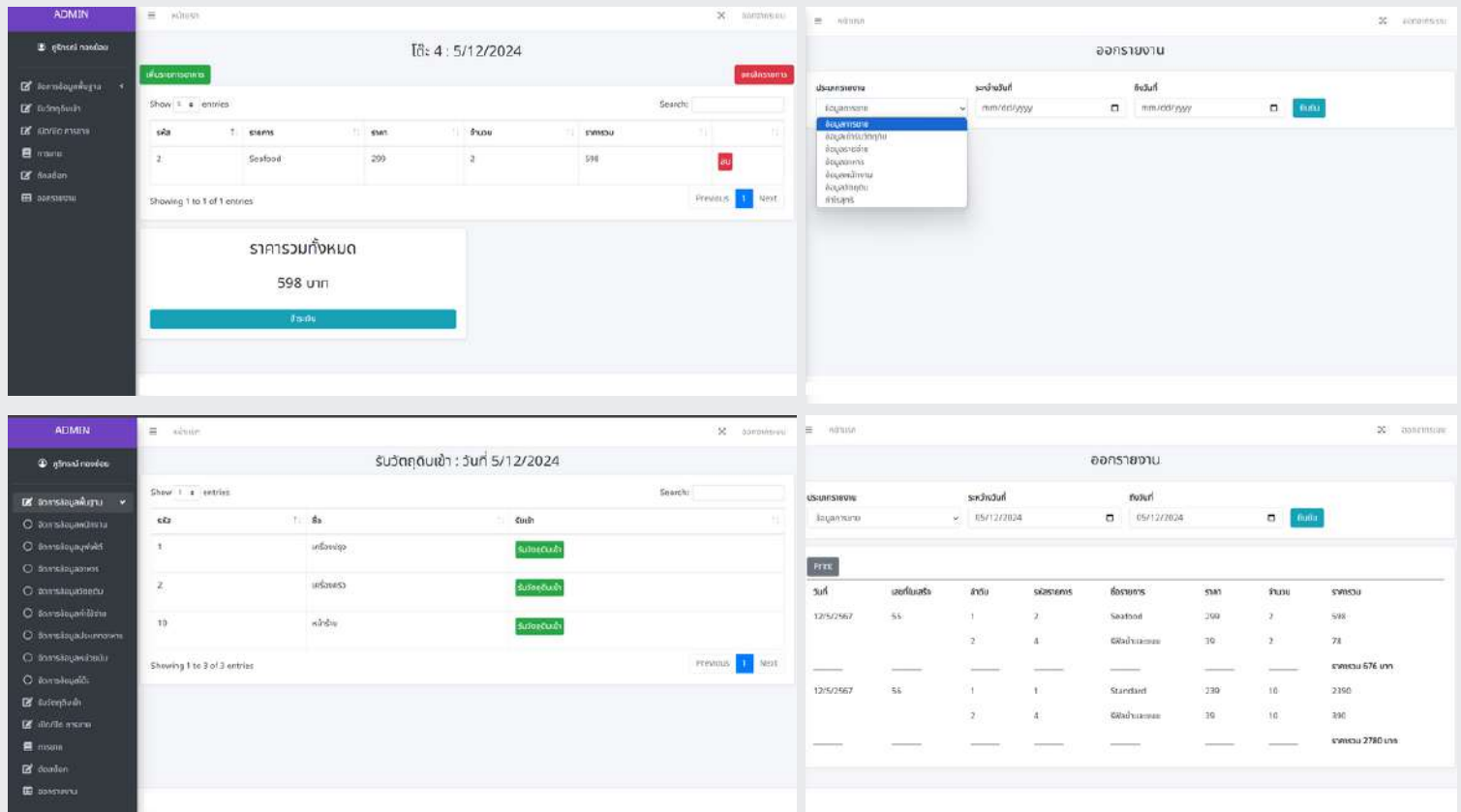
- **Service**

- Participated in the development of the Back-office system and APIs for the mobile application
- Responsibilities:
 - Designed and developed APIs for the Back-office system and mobile application
 - Developed email templates for the Front-end team
 - Using advanced Mongo query to improve query time

EXPERIENCE

Developed the management website for a hot pot restaurant

Jan 2022



Job Details

• Example System Overview

- Basic Data Management
 - Employee Information
 - Menu Items
 - Ingredients
 - Units of Measurement
- Daily Stock Management
 - Stock Inventory Updates
- Sales Reporting
 - Generating Sales Reports

• Development Approach

- MVC Code Structure Implementation
- Server-Side Rendering (SSR) with EJS for HTML templating
- UI based on AdminLTE

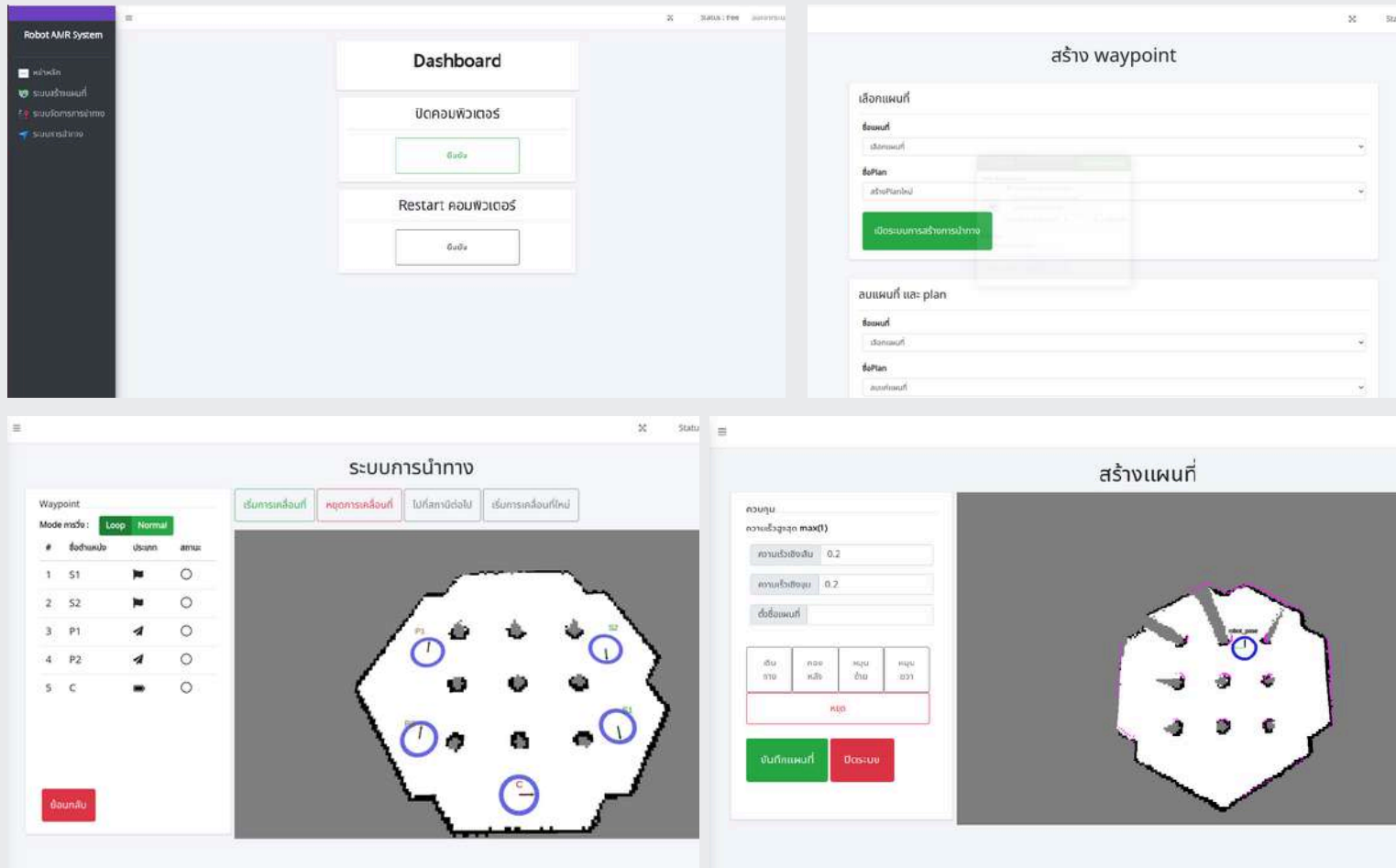
• Tool

- Node.js/Express.js, Javascript, EJS, Microsoft Access

EXPERIENCE

Assisting with university research: Developing AMR Robot

May 2022 - Jan 2023



Job Details

• Example System Overview

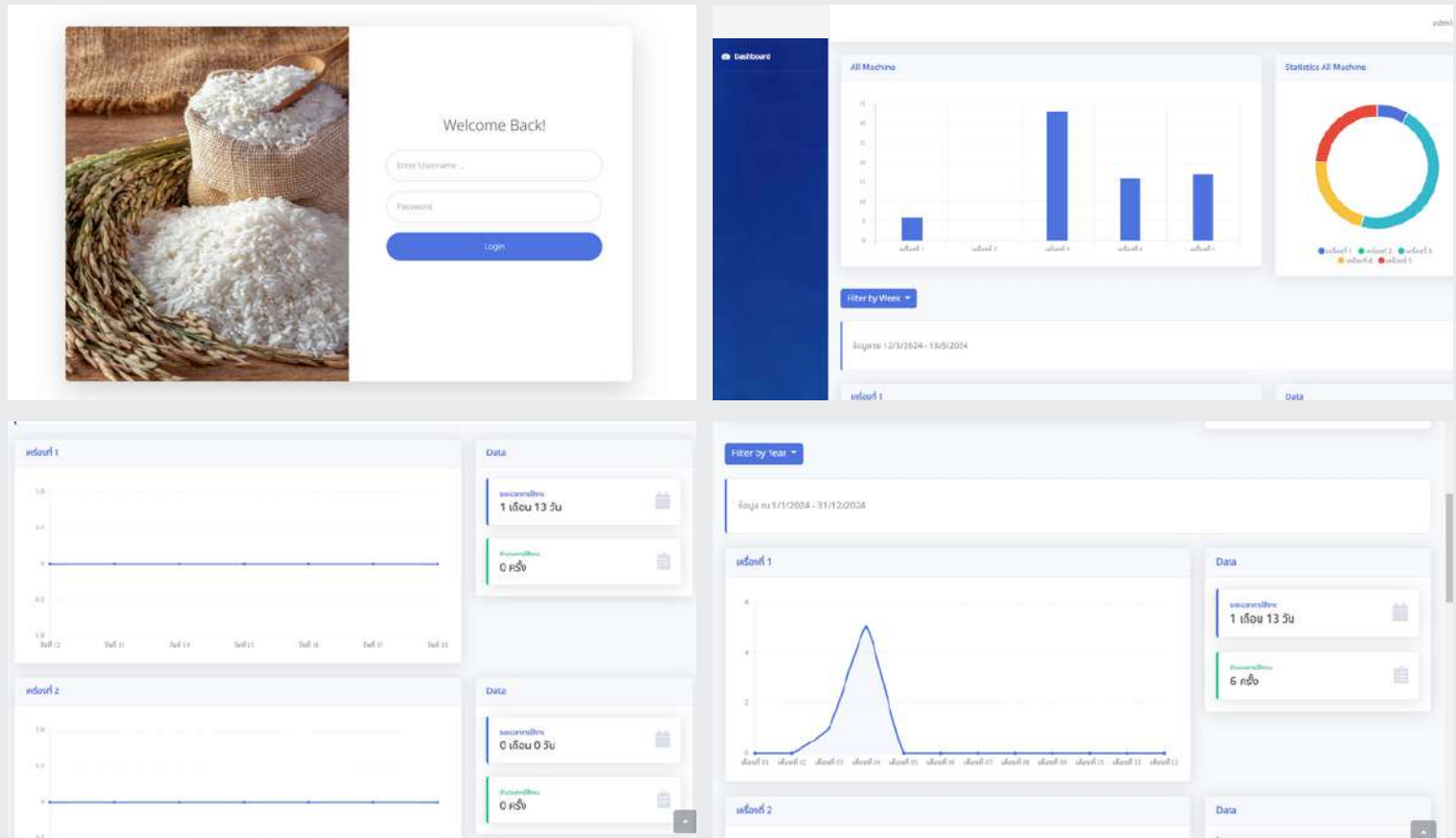
- System Startup/Shutdown
- Map Creation and Path Planning
- Movement Planning and Control
- Node.js and Python Interface

• Development Approach

- MVC Code Structure Implementation for the Website
- Server-Side Rendering (SSR) with EJS for HTML templating
- Integration of Python with Node.js to work together
- Data Storage of Paths as JSON Files
- UI based on AdminLTE

• Tool

- Ubuntu 18.04, Node.js/Express.js, Javascript, EJS, Websocket, ROS1, Python



Job Details

- **Example System Overview**
 - Display usage graphs, segmented by week, month, and year
 - Show usage duration
 - Login
- **Development Approach**
 - MVC website code structure implementation
 - Session authentication for login using SHA-256 encryption for password storage
- **Tool**
 - PHP, Mysql, Chart.js

EXPERIENCE

Develop a website dashboard to show the product information in real-time

Apr 2024

PRODUCTION MONITORING						12:23:51
PRODUCT	BATCH NO.	TARGET	ACTUAL	PROGRESS	%OEE	STATUS
P101 <input type="text"/>	1004	200	0	<div>0.00%</div>	100 %	ON PROCESS
P201 <input type="text"/>	1002	200	0	<div>0.00%</div>	100 %	ON PROCESS
P301 <input type="text"/>	1003	300	0	<div>0.00%</div>	100 %	ON PROCESS

Job Details

- **Example System Overview**

- Display real-time production data for products over specified time intervals
- Store production data for products

- **Development Approach**

- Design a WebSocket server using Node.js to receive data from sensors and send computed data to React
- Implement time tracking; when the specified time interval is reached, store data in the database and reset the dashboard data

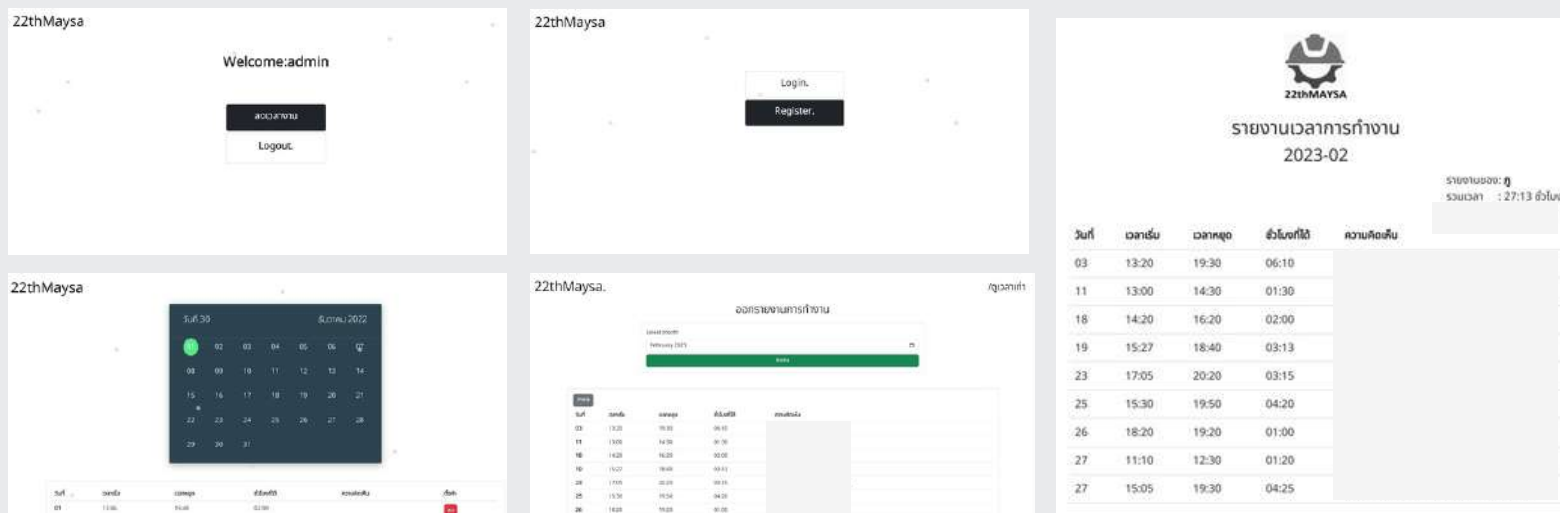
- **Tool**

- React, Nodejs/Fastify, Javascript, Websocket, MariaDB

PROJECTS

Develop a website to track working time

Dec 2022



Project detail

- **Objective of the Project**

- To solve the problem of tracking work hours in an old difficult way
- To solve the problem no work detail

- **System**

- Team members can log their work hours with start and end times.
- Calculate working hours.
- Generate work reports.

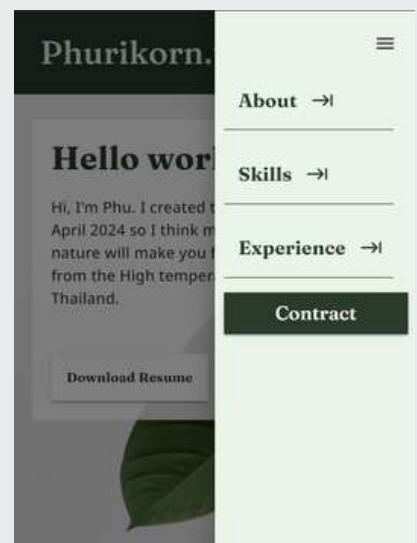
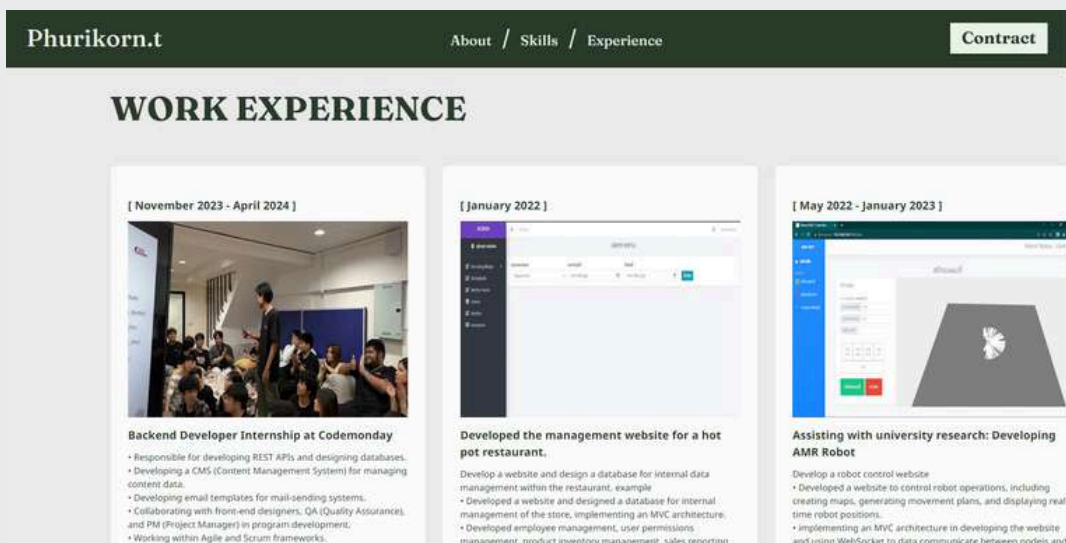
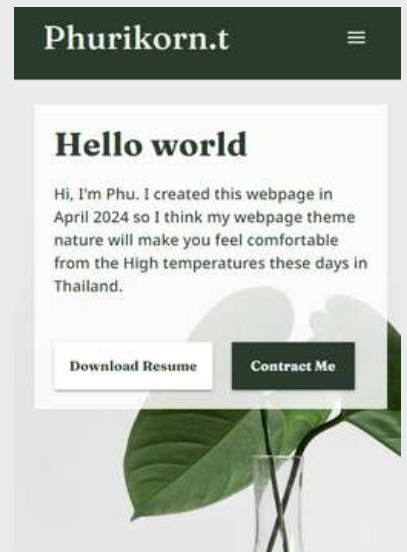
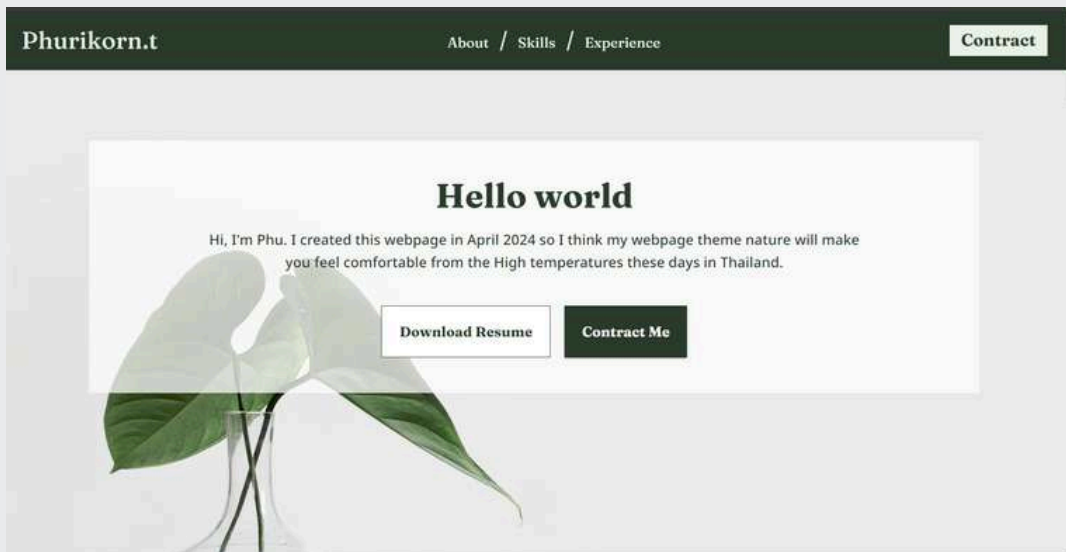
- **Tool**

- Node.js/Express.js, Javascript, EJS, Mysql

Develop a personal portfolio website

Live at: <https://nextjs-personal-web-ten.vercel.app>

Apr 2024



Project detail

- **Objective of the Project**
 - To create a personal profile website.
 - To test my understanding of responsive web design.
 - To design with a focus on showcasing my personality.
- **System**
 - Create a landing page.
 - Design with responsive layout for both mobile and desktop.
 - Client-side rendering (CSR)
- **Tool**
 - Next.js, Typescript, Mui

ACTIVITIES

Developing robots for the Ministry of Higher Education, Science, Research and Innovation combat the COVID-19 pandemic

Sep 2021



The robotics programming development team is working on creating a system to control RF signals, allowing for movement control, spraying commands, and UVC light projection.

Second Place Winner Robot CARC Competition

May 2022



The robotics programming development team participates in competitions involving autonomous robot missions such as

- separate balls colored
- scanning QR codes
- driving robots to follow predefined

ACTIVITIES

Being a training speaker at the STEM Robotics event

2021 - 2023



As a trainer in robotics systems, I teach programming in C/C++ to control robots at King Mongkut's University of Technology North Bangkok.

- Introducing students to robotics.
- Teaching programming in C/C++.

Tutor

2021 - Present



Tutor in programming base on project

- Python
- Arduino / Robot
- HTML/CSS, Tailwind