Full-stack Engineering
- Advanced -

Vue.js

Being a Pro

Group development to AWS deployment!

Programming is a small part of system development. Your child experience full-stack development of API based single-page-application with Vue framework for the front-end and Python as the back-end with git, then set up own ubuntu system and deploy the application.

✓ **Develop cutting-edge full-stack application with Vue framework and Python**

✓ **Understand group development with git like professionals**

✓ **Setup own ubuntu server on Amazon AWS and deploy the application and database**

Day
Time
Period
No class dates
Total classes
Fee
Registration

After this program

Your child will understand how professionals develop a system from application development to deployment and relationship between coding and Dev-Ops.

Your child experiences the following Dev-Ops process and develop a publicly available website designed with the cutting-edge Single-Page-Application architecture.

-The cutting-edge API based single-page-application architecture

-Front-end framework, Vue framework, and Python combination with fetch API

-Group development with git and how to set up and use git

-Fundamentals of AWS and ubuntu server setting (HTTP server, Database)

-Deploy an application with git and firewall setting

Syllabus   (Subject to change)

1) Python development environment (Anaconda)
2) Introduction to git
3) API based architecture & Single-page-application
4) Vue framework
5) Python
6) Fetch API and AJAX
7) Database
8) Testing
9) AWS account setting
10) Ubuntu server setting
11) Firewall setting
12) HTTP server, application server setting
13) Database setting
14) Deployment with git

Prerequisite

Your child needs to have a coding experience with Python, JavaScript, Java, C, or another code-base programming languages.
To create an AWS account, credit card information is required.

Hardware & Software requirements

This course requires a PC or Mac. Chromebooks and tablets do not work for this course.
The PC or Mac needs to have 4GB of memory and 30GB of free disk space.