Contact

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Thailand

Techathat Sakulsak

Skills

Programming Languages

Python
C/C++
C#
Lua
PHP
JavaScript
GLSL

Technical Skills

Data Analysis
Machine Learning Analysis
Neural Network Modeling
Algorithm Design
Backend Development

Languages

Thai - Native
English - TOEFL iBT 111
Japanese - JLPT N3

Soft Skills

Adaptability
Problem Solving
Fast learning
Curiosity

Relevant Projects

Oct. 2023 - Dec. 2023

Hunsa POS - Restaurant Management Web Application
Backend Developer, Database Designer, UI/UX Designer
· Design highly normalized database relations to be used with mySQL
· Develop backend structures with PHP and JavaScript in collaboration with three other programmers.
· Design site UI and UX from real-world research and inquiry

Oct. 2023

Stochastic Gradient Descent Derivation and Analysis
Model Analyst, Python Programmer
· Derive loss functions of various types of regressions and regularizations
· Manually implement gradient descents in Python
· Analyze results and effects of each factor involved

Mar. 2023 - May. 2023

CINE - Cinema Management Website
Backend Developer, Database Designer
· Design highly normalized database relations to be used with mySQL
· Develop backend structures with PHP and JavaScript in collaboration with four other programmers.

Feb. 2023

Cel-shaded Lighting Plugin for Blender
Algorithm Designer, Python Programmer
· Derive an algorithm for shader code to determine textures for differing light levels in Blender, a 3D computer graphics software
· Design non-branching, GPU performant code using GLSL
· Collaborate on implementing the algorithm into a plugin for Blender using Python

Mar. 2016 - present

Creative Coding
Various
· Produce original, playable game content using a lua-based game engine, NotITG
· Use GLSL to create original graphical shaders for creative visual works
· Collaborate with programmers across the globe on time-sensitive creative coding projects for an audience of thousands.
· Developing games with Godot Engine using GDScript and C#

Education

Aug. 2021 - present

King Mongkut's University of Technology Thonburi
· Bachelor degree in Computer Science (4-Semester GPA 3.42)
· Enrolling in specialized courses for Machine Learning and Software Development

Oct. 2022 - Nov. 2022

Young Southeast Asian Leaders Initiative
· 5-week intensive educational program at the University of Texas at Austin sponsored by the U.S. Bureau of Education and Cultural Affairs
· Material covers specialized insight into the technological industry