Runpeng Pan

Address: New York, NY

LinkedIn: Runpeng Pan

GitHub: mrpanrp

Phone: 646-628-1882

Email: mr.panrp.career@gmail.com

Website: https://mrpanrp.github.io

EDUCATION

University at Buffalo, Buffalo, NY
Bachelor of Science, Computer Science, August 2021

PROJECTS

DASHBOARD WEB APP: JAN 2021 - APRIL 2021
- Helped office worker to arrange work stacks while staying home
- Developed a web app in an agile workflow, using Vue.js, PHP
- Provided functionalities including sharing, likes, commenting

HAND GRIP REHAB APP: JAN 2020 - JUNE 2020
- Developed hand grip sensors which generate inputs for board coordinates
- Created Unity2D Game that controls a car to lever up and dodge projectiles
- Designed rehab test for stroke patient by detect hands' strength and sustainability

HAND TRACK WEB APP: NOV 2019 - PRESENT
- Developing Hand tracing website game utilized APIs: Handtrack.js, Mediapipe
- Training computer with input from webcam to identify hands via ML
- Multiple hand tracking available and image identifying

WEGMEN DIET: NOV 2019 - PRESENT
- Developing Mobile App searching recipes based on user input
- Linking detailed recipes with Wegman food price and store locations
- Utilizing WEGMEN API by parsing different JSON request

GRAPHICS ANALYSIS: SEPT 2019 - JAN 2020
- Performed 3D object rasterization, meshing, and ray tracing
- View-port modeled via panning and zooming
- Applied model transformation such as scaling, rotation and translation

SUDOKU SOLVER :   MAR 2019 - APR 2019
- Using artificial intelligence algorithms to solve Sudoku game
- Experienced with Markov decision process
- Performed policy making in generating AI model

UB HACKING GAME: LAVA PARKOUR: NOV 2017 - DEC 2017
- Attended University at Buffalo Hackathon.
- Implemented innovative speech-based physics control game using Unity
- Designed theme-based adventure game with iterative level

COMPUTER SKILLS

Languages: C#, C++, Java, Ocaml, Assembly, SQL, PHP.
Web Development: HTML, CSS, JavaScript, PHP, Apache, IIS, ASP.NET.
Applications: Eclipse, Visual Code, Git, MySQL.

BACKGROUND

Languages: English, Mandarin, Cantonese
Environment: Experienced in agile software development
Add-on: Driver License