

Yeji Hwang

FULL STACK DEVELOPER

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Experience

Maum.ai

North York, ON

FULL STACK DEVELOPER

Dec. 2020 - Jul. 2024

- Maum.ai is a company that provides various AI technologies/services such as AI based customer counseling, voice/video generation, custom chatbot, and kiosk device, visual foundation model for autonomous driving.
- Developed multiple subscription-based web applications, encompassing design, coding, testing, deploying, and maintenance.
- Improved performance by resolving more than 500+ critical bugs in the company's products
- Solved the functional errors reported by the QA team by identifying the root causes and providing solutions with test data.
- Used Jira as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.

Projects

AI Human Device

Maum.ai

FRONT-END DEVELOPER

2023-2024

- A multi-modal AI service which includes comprehensive integration of STF (Speech-to-Face), TTS (Text-to-Speech), scenario Chatbot, and Language Models.
- Developed a front-end application integrated into kiosk devices, incorporating STF, TTS, chatbot and LM functionalities using ReactJS, TypeScript, Tailwind for a display, and REST API for communication.
- Utilized socket communication to interact with devices enabling functionalities such as movement to specified destination, user interaction, and control over device input/output.

M Studio

Maum.ai

FULL STACK DEVELOPER

2022-2023

- A subscription based AI video creation platform where users can create videos with AI avatars with custom objects and scripts.
- Developed responsive UI pages using ReactJS, enhancing user experience with real-time canvas previews of edited slides.
- Built an admin management dashboard for user administration, allowing users to access subscribed avatars and create videos based on custom scripts and predefined video length limits.
- Integrated backend services to request avatar videos from the Script-to-Face engine, and video encoding functionality using FFmpeg to ensure videos generated by the engine were appropriately encoded based on user-selected settings.
- Deployed applications on AWS using Docker for containerization, ensuring scalable and efficient deployment of backend services.
- Created and maintained buckets on S3, stored DB/backup logs, and uploaded videos to the CDN server to enhance site performance.
- Modified the application as a part of enterprise solution that benefited \$1.0 million.

AI Virtual Avatar

Maum.ai

FULL STACK DEVELOPER

2020 - 2021

- A subscription based web application with the ability to convert scripts of text into speech.
- Designed and developed single-page web application in VueJS, SpringBoot, and MongoDB.
- Implemented REST API endpoints in the Spring Boot application to communicate with the client-side.
- Deployed Spring jar package and VueJS application to the AWS EC2 instance.

Skills

Client-side ReactJS, VueJS, TypeScript, JavaScript, HTML5, LESS, SASS, jQuery, Tailwind

Server-side Java, Python, Spring, NodeJS, REST API, gRPC, GraphQL

Tools GIT, Maven, Docker, Postman, Jira, Confluence

DevOps AWS, Docker, Kubernetes, Apache, NginX, MySQL, MongoDB

Education

University of Waterloo

Waterloo, ON

B.M. IN COMPUTATIONAL MATHEMATICS

2014-2020

- Computer Science Minor