

# Yeji Hwang

FULL STACK DEVELOPER

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## Experience

### Maum.ai

North York, ON

FULL STACK DEVELOPER

Dec. 2020 - Present

- 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 RES 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.
- Deployed in various businesses as hotelier, docent, and receptionist.

### 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.
- Designed responsive UI pages using ReactJS and applied 18n internationalization.
- Profiling, troubleshooting, and bug fixes for the high-volume internal web application result in improved system performance and scalability.
- Created and maintained buckets on S3, stroed 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.

### Maum.ai

Maum.ai

FRONT-END DEVELOPER

2023

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

### AVA, AI Virtual Avatar

Maum.ai

FULL STACK DEVELOPER

2020 - 2021

- A subscription based web applciation with the ability to convert scripts of text into speech.
- Desgiend and developed single-page web application in VueJS, SpringBoot, and MongoDB.
- Implemented RESP 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, gpahQL

**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