JINGDA MAI

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EDUCATION

The University of Tokyo   Sep 2017 - Sep 2019
Master's degree in Precision Engineering

· Geometric Modeling for Industrial Application, Suzuki and Ohtake Lab (C++, Python).
· Honors/Awards: JASSO Scholarship

WORK EXPERIENCE

Neusoft Japan   Nov 2019 - Present
Software Engineer

· High concurrency elevator system and cameras interconnection web server (QPS 400) built on an embedded device and deployed with Docker using Go, Python, Nginx (August 2020 - Present)
· Back-end development of heat and face detection interconnection web app deployed with Docker using Flask, Flask-SocketIO, SQLAlchem and PostgreSQL (March 2020 - June 2020)

Neusoft Japan   Mar 2019 - Oct 2019
Part-time Software Engineer

· Implemented a web page to calibrate machine learning detection results visually with the corresponding coordinate changes shown in a table using Vue.js and Konva library.

PERSONAL PROJECTS

REST microservices in Golang   August 2020 - Present

· `https://github.com/JingdaMai/bookstore_users-api` `Users API (Gin, PostgreSQL)`
· `https://github.com/JingdaMai/bookstore_oauth-api` `OAuth API (Gin, Cassandra)`
· `https://github.com/JingdaMai/bookstore_items-api` `Items API (gorilla/mux, Elasticsearch)`

Personal Blog   June 2020 - Present

· http://jingdamai.com/ - Full Stack Development with Vue.js and Flask

Face Detection Website   Jul 2019 - Aug 2019, Jan 2020

· Link: https://smart-brain-app-v2-mjd.herokuapp.com/
· Tools: React.js, JWT, Redis, Express.js, PostgreSQL (two tables for all users and login info respectively) and Redis (Token to userId), AWS lambda function (Rank Badge)
· Server-side development environment: Docker containers (Docker Compose)
· Functionalities: Users can copy an image link to the website and any human faces within the image can be detected (using Clarifai API). The entry count of every user will be updated in the front end and also stored in the database.
· Functionalities: Face detection on image links

TECHNICAL SKILLS

Certificate	AWS Certified Cloud Practitioner
Programming Languages	JavaScript, Python, Golang
Frameworks & Tools	Vue.js, Express.js, Flask, SQLite, Gin, PostgreSQL, Redis, Docker, Jira,