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.
- Honors/Awards: JASSO Scholarship

WORK EXPERIENCE

Neusoft Japan Nov 2019 - Present
Software Engineer

- Body temperature detection interconnection web server using Flask, Flask-SocketIO and SQLite (March 2020)
- LAN transfer web server implementation using Flask and socket (March 2020)
- RS485 transfer web server implementation using Flask and pyserial (Feb 2020)
- BSE in Business Logic of VICS car navigation system (C++) (Nov 2019 - Feb 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.
- Implemented a web page showing a heat map of vehicle usage using Angular framework and Google Maps API.
- Implemented a simple image label review tool (desktop app) that enables users to view images in a folder and modify their corresponding labels in a file quickly. (Python, PyQt5)

PERSONAL PROJECTS

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.

TECHNICAL SKILLS

Programming Languages	Python, JavaScrpt, C++
Frameworks & Tools	Flask, SQLite, Vue.js, React.js, Express.js, PostgreSQL, Redis, Django