

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

- Face Detection Device API Implementation using Flask and pyserial (Feb 2020 - Present)
- 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.

Django Personal Website

Nov 2018 - Nov 2018

- Link: <https://jingda-blog.herokuapp.com/>
- Tools: Django, Bootstrap 4, paper.js, howler.js
- Implemented a simple blog service with user authentication, a gallery and a Patatap Clone (animations and sounds for different keyboard input).

TECHNICAL SKILLS

Programming Languages Frameworks & Tools

Python, JavaScript, C++
React.js, Vue.js, Express.js, PostgreSQL, Redis, Flask, Django