

# JINGDA MAI

143-0025 Tokyo, Ota City, Minamimagome, 5-27-13  
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## EDUCATION

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### **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

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### **Neusoft Japan**

Nov 2019 - Present

*Software Engineer*

- Take part in the front-end development of heat detection and face detection interconnection web app using Vue.js (April 2020 - June 2020)
- Back-end development of heat detection and face detection interconnection web app using Flask, Flask-SocketIO, SQLAlchemy, SQLite, PostgreSQL and Docker (March 2020 - June 2020)
- RS485 transfer web server implementation using Flask and pyserial (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.

## PERSONAL PROJECTS

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### **Personal Blog**

June 2020 - Present

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

### **Vue Shop**

June 2020

- Link: <http://jingdamai.com/vue-shop/>
- Tools: Vue.js, Vuex, Vue Router, Firebase
- Functionalities: Users can view products, add products to cart and check out in the shop.

### **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

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### **Certificate**

AWS Certified Cloud Practitioner

### **Programming Languages**

Python, JavaScript, C++

### **Frameworks & Tools**

Flask, SQLite, Vue.js, Express.js, PostgreSQL, Redis, Docker, Jira