JINGBO LAN

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EDUCATION

National University of Singapore   **Aug 2020 - Present**
Bachelor of Computing (Honour)
- Major in Computer Science, Minor in Astronomy
- Specialization in Distributed System and Networking, Interested in Machine Learning and Software Engineering
- Relevant coursework: Software Engineering, Machine Learning, Computer Networking, Algorithm design and analysis, Data processing, Data Structure, Computer Organization, Quantitative Reasoning, Probability.

WORK EXPERIENCE

Student Researcher, NUS Environmental Research Institute,   **Jul 2022 - Present**
Singapore
- Assisted research work in the research work of weather forecasting and air quality analysis.
- Processed more than 20000 data collected from sensor by pandas tools, uploaded into cloud database, improved research work efficiency by 350%,
- Added five more gas data calibration program for atmosphere sensors by developing machine learning optimization algorithm, increased sensor capability by 200%.

Software Engineer Intern, ICBC, Hefei, China   **May 2021 - Jul 2021**
- Controlled auto photo taking terminal, located human face by itself under ICBC(Industrial and Commercial Bank of China), shortened time under 5 seconds to catch information.
- Developed machine learning algorithm(CNN Model) via TensorFlow and Pytorch for the information-comparison algorithm, converted over 2000 clients' face information into respective data, simplified information comparison procedures.
- Cooperated with 4 other team members, held meetings every Monday, Wednesday and Friday, got first place overall in the software engineer department.
- Built GUI for terminal machine with 4 other team members, made control process more convenient, received outstanding feedbacks from customers.

PROFESSIONAL EXPERIENCE

Programmer & DevOper, GuestBook, Singapore   **Aug 2022 - Nov 2022**
- Designed a hotel manage application called Guestbook under NUS CS2103T Software Engineering course, worked within a five-person team.
- Implemented Request command feature and corresponding test functions for application, simplified over 15 classes, increased program efficiency
- Facilitated 4 milestones, reviewed 16 out of 60 PRs of team members, used Github milestone tools to monitor project progression, updated team members statuses.

Programmer, 404 Not Found APP, Singapore   **May 2021 - Aug 2021**

- Created an Android app called 404 Not-Found for people to find or report lost things, got a project certificate from NUS.
- Set up a database with Firebase, entered 300 clients' accounts into the cloud system, allowed users to log into 404 Not Found, applied Android Oreo.
- Drew flow chart for APP, made programming processes much easier, help more than 300 people in faculty find lost things through app.

SKILLS

- Technical skills: Java, Python, Pytorch, TensorFlow, HTML, CSS, JavaScript, FXML, Pandas, Excel
- Technical Knowledge: Software Engineering, Machine Learning, Data Science and Analysis, and Data Processing.
- Language: Chinese (Native), English (Professional working proficiency)

CO-CURRICULAR ACTIVITIES

Team Manager, NUS Cross-country, Singapore   **Feb 2022 - Present**
- Managed a more than 200 members club, arranged three big activities with more than 500 participants, received high-quality feedbacks.

Associate Leader, Hefei No.1 High School VEX Robotic team,   **Sep 2018 - Jul 2020**
Hefei, Anhui, China
- built robots with aluminum strips, explained robotic structure to team members, repaired errors, found and solve 25 errors during 2019 VEX Worlds, got top-4 team among 114 participants.