

LU WANG

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EDUCATION

University of Washington

Master of Science in Technology Innovation

Seattle, WA

2019.09 -2020.12

Galvanize Data Science Immersive Bootcamp Program

Certificate of Data Science Immersive

Seattle, WA

2019.05-2019.08

XIDIAN University

Bachelor of Science in Electronic Information Science and Technology

Xi'an, China

2003.08-2007.07

PROJECT

Grocery Shopping Navigation: PyQt and Raspberry Pi based indoor navigation device.

2020.01-2020.03

Helps users with mild cognitive impairment locate the items via indoor navigation.

- Built a new device based on **Raspberry pi** to use in grocery stores.
- Designed a desktop app using **PyQt** for managing shopping list and showing shopping path.
- Adopted **OpenCV East** text detection model to detect aisle numbers for indoor localization.
- Implemented BFS algorithm based on pre-set map anchors to plan shopping routes.

QuickFind: Grocery navigation app implemented with React Native

2020.03-2020.06

Due to pandemic, empowers general public to reduce grocery shopping time.

- Developed an Android app using **React Native** to quickly locate items and show shortest routes.
- Integrated **Google Firebase ML Kit**'s text recognition API to detect aisle numbers for indoor localization.

Resume Classification: Web-based actor resume classification system.

2019.05-2019.08

Accelerates the interview processes for selecting candidates for film/TV show audition.

- Implemented crawler scripts to collect data from Wikipedia for training **AI** models.
- Deployed via **NLP**, **Multilabel** and **LDA** approaches to classify actors.
- Developed website using **Flask-Bootstrap** for browsing actors' data and responding to model inferences.
- Used **AWS EC2** to host the Website.

CocoBot: (Ongoing) Self-care chat bot app for unpaid family caregivers.

2020.06-present

Working with a research team from the UW school of nursing, add brand-new functions to the main application:

- Established a conversational stress relief routine using **Alexa Skill**.
- Added embedded credible resources features into the main mobile app via **React Native** to reduce user searching time.
- Used **AWS S3** to store exercise resources tailored to the user's needs.
- Improved personalized recommendations via feedback data stored on **Firebase**.

EXPERIENCE

Bank of China Insurance Co., Ltd. Henan Branch

Zhengzhou, China

Human Resource Manager

2011.02-2017.03

- Salary and Assessment management for more than 130 employees.
- Built a new Performance Evaluation System, helped the company promote people to a managerial position.

NEUSOFT

Shanghai, China

Software Testing Engineer

2010.03-2010.10

NEUSOFT is a leading IT solution and service provider, whose business covers software engineering, medical, and education, etc.

- Worked as a vendor and helped the Industrial and Commercial Bank of China (ICBC) test the internal human resources performance evaluation system.
- Created custom databases for maintaining the test result. Designed new queries and stored procedures to enhance functionality and improve efficiency.

Shanghai Chuwa Software CO.LTD

Shanghai, China

Software Engineer

2007.07-2010.03

Chuwa is a software service provider, targeting the Japanese financial market.

- Software Development. Developed the information systems via **COBOL** for Japanese stock exchange companies, including information retrieval and customer authentication backend.
- Software Testing. Per customer requirements, designed the test cases, performed white-box tests and gray box performance tests.

SKILLS

Software Skills: Python, JavaScript, React Native, PyQt, Django, Flask, MongoDB, SQL, MATLAB, Spark, AWS, TensorFlow, OpenCV

Design Skills: Fusion 360, Illustrator, Figma, Adobe XD

Languages Spoken: English, Mandarin

OTHER NOTES

U.S. Permanent Resident