LU WANG

wangl33@uw.edu linkedin.com/in/lu-wang-917821183 github.com/LuWang0211 Redmond, WA wangl.me

EDUCATION

University of Washington Seattle, WA
Master of Science in Technology Innovation 2019.09 -2020.12

Galvanize Data Science Immersive Bootcamp Program Seattle, WA
Certificate of Data Science Immersive 2019.05-2019.08

XIDIAN University Xi'an, China
Bachelor of Science in Electronic Information Science and Technology 2003.08-2007.07

PUBLICATION

- "**Integrating a Voice User Interface into a Virtual Therapy Platform**" **CHI 2021** Late-Breaking Work track.

PROJECT

CocoBot: Self-care chat bot app for unpaid family caregivers. 2020.06-2021.01
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**.

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.

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.
- Implemented BFS algorithm based on pre-set map anchors to plan shopping routes.

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.

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

OTHER NOTES: U.S. Permanent Resident