JIAWEI(VERA) QI

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EDUCATION

Fudan University   *Sep 2016 - Present*
Senior Undergraduate, major in Computer Science and Technology   Overall GPA: 3.36/4.0

University of British Columbia   *July 2019-Aug 2019*
Vancouver Summer Program Student at the Faculty of Education   Grade: A+
Digital Media in Arts Education, Learning Technologies and Creativity in the Digital Age

RESEARCH EXPERIENCE

Fudan Cooperative Information & System Laboratory   Feb 2019 - Present
Undergraduate Researcher   *Supervisor: A/Prof. Xianghua Ding*

· Doing HCI research focusing on new computer-mediated collaborative forms for sustainable living.
· Currently redesigning the user interface of a mobile app applying face reading technology to Traditional Chinese Medicine (TCM). Exploring how transparency affects users' learning.
· Conducted qualitative interviews with 14 patients, framed findings on the reasons why diabetes can hardly be diagnosed early and designed implications for embodied health interaction. Co-authored the paper for Ubicomp 2020 and evaluating the design for re-submission.

WORK EXPERIENCE

SAP   Sep 2019 - Present
Software Develop Engineer Intern at Innovative Business Solutions (IBSO)   *Shanghai, China*

· Established the connection between Raspberry Pi and screens. Displaying real-time visible-light and thermal images in h5 Canvas to simulate the machine-inspecting system in a factory.
· Designed data visualization and layout of SkyEye, a distant monitoring platform for electric vehicles, based on communication with group members and enterprise customers.
· Developed and tested the front-end with SAP UI5 framework.

HONORS & AWARDS

The third prize excellent student awards of Fudan University (25%)
The second prize SCSK awards of Information School at Fudan University (1%)
Outstanding Cadres in the Youth League Committee of Fudan University
A-class daily social practice of Fudan University (a volunteer program)

SKILLS & INTERESTS

Programming Languages	Proficient in C/C++, Python, HTML+CSS+JavaScript, git
	Experienced in Java, SQL, Ionic, Linux
Languages	Native in Mandarin Speaker, Fluent in English
Design	User Research, Usability Test, Wireframing, Prototyping, Invision
Interests	Violin and Dance (10 years), Broadcasting (school radio station),
	Volunteering (120 hours in university years), Food, Puppies

SELECTED PROJECTS

MyCutie: A Mobile App Helps Girls Live and Love better   Oct 2019 - Dec 2019
UX Designer and Front-end Developer (Course Project of Software Engineering II)

· Designed the main color, style, layout and jump logic according to the demands. Refined the prototype through inviting 17 CS and non-CS students to try it out.
· Realized and tested four main pages (Home, Notes, Moments, Forum) with ionic framework.

A Plate Recognition System   Oct 2019 - Dec 2019
Independent Worker (Course Project of Computer Vision)   *Adviser: Prof. Yanqiu Chen*

· Collected and pre-processed 300 plate images of diverse conditions (colors, angles, resolutions and lights) from onsite shooting and open-source photo gallery.
· Adopted both traditional edge detection operators and HSV color mask to draw contours.
· Compared the recognition precision and time between SVM and CNN after training and testing.

Intelligent Scheduling Simulation System for Automatic Storage   May 2019 - June 2019
Team Project Manager (Course Project of Software Engineering)   *Adviser: Prof. Weidong Yang*

· Wrote System Requirement and Design Document and made the presentation.
· Analysed demands with UML (use case/static/dynamic models). Employed singleton, observer and abstract factory design patterns. Implemented the AGV route scheduling algorithm and functional test.

Rap in China: Analyses and Generation of Chinese Rap Lyrics   Dec 2018 - Jan 2019
Independent Worker (Course Project of Natural Language Processing) Adviser: Prof. Xuanjing Huang

· Crawled Chinese rappers' songs as the corpus. Used jieba and nltk to filter the raw data.
· Analysis Part: word frequency, social network, regional distribution map and sentiment of 13 rappers.
· Generation Part: Employed Markov model and LSTM to generate Chinese rap lyrics, which met the word count and POS(Part of Speech) requirements about rhymes and were relatively smooth.

Rule-based Pet Dog Recommendation Expert System   Dec 2018 - Jan 2019
Independent Worker (Course Project of Artificial Intelligence)   *Adviser: Prof. Hui Wei*

· Gained dog information as the knowledge base and users' concerns from 117 questionnaires.
· Employed the built-in fuzzy logic tool of Matlab to define linguistic variables, set membership functions and rules, and visualize dependency. Calculated fitness and made recommendations after reasoning on rankings of factors like cleaning frequency.

Weasleys' Wizard Wheezes: A Simple Online Shopping System   May 2018 - June 2018
Independent Worker (Course Project of Database System)   *Adviser: A/Prof. Yonghui Wu*

· Built a website based on J2EE, and MySql for database, satisfying basic demands, including logging in, managing users' information as the administer, placing orders as a buyer, and adding goods as a seller.