SIJIA (SCARLETT) HUANG

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EDUCATION

Huazhong University of Science and Technology (HUST)   Sep 2016 - present

B.A. in Communication Studies   Overall GPA: 3.76/4.0   Major GPA: 3.9/4.0 (Ranking: No.1)

B.E. in Computer Science and Technology   Overall GPA: 3.5/4.0

Core Courses:

Design: Web Information Framework (98) | Internet Application: Modes and Strategies (98) | Internet Communication Application Design (95) | New Media User Analysis (98) | Introduction to Sociology (94) | Research Methods of Journalism

Computer Science: Human-Computer Interaction: Technology & Application (90) | Software Engineering (90) | Digital Media Techniques (90) | Database System (87) | Advanced Programming Language (C++) (89) | Data Structure | Advanced Programming Language (C) | Programming Language (Java) | Computer Network | Basics of Hardware

Math: Calculus (I) | Linear Algebra | Probability Theory and Mathematical Statistics | Communication Statistics (94)

Business & Management: Principle of Economics (92) | High-Tech Entrepreneurship-Creating Business Plan (90) | Principles of Organization Communication (95) | International Finance (87) | Introduction to Management (86)

WORKING EXPERIENCES

Dialogue Platform Group, WeChat AI | Tencent Technology | AI Product Manager Intern   Oct 2019 – Nov 2019

Tencent: The largest technology company in China

Project I: WeChat AI Dialogue Assistant (Chatbot)

Designed and launched a revamped product version, solving the existing high-risk architectural and experiential problems, adding new features including mood companion, and multi-round dialogues

- Redesigned the information architecture by re-organizing main functions to enhance architecture extensibility
- Redesigned the dialogue logic architecture to address the problem of user conversation disruption by integrating split dialogue flows and using multi-round dialogue to converge user intentions
- Designed a mood companion function, aiming to identify and relieve emotional problems of the depressed by Chatbot
- Designed multi-round dialog functions using multiple controls and rich media forms to effectively solve user needs

Project II: Tencent Smart Speaker

- Assessed user feedbacks, designed a new version, improving user experience and refining some logical problems

Didi AI Labs | Didi Chuxing Technology | AI Product Manager Intern   Dec 2018 - Apr 2019

Didi: China's largest mobile transportation technology company

Project I: AI Censor System for Travel Security and Compliance

Owned the product lifecycle from initial concept to delivery, having improved censor efficiency by 28%

- Researched user needs through investigation and statistics, designed a system in a human-AI collaboration mode to identify high-risk and illegal trip scenarios, with mainly CV, ASR and NLP applied
- Established an AI middle platform as our product form, enhancing capability reusability. Specifically, developed AI meta-capabilities to identify scenarios and allowed demanders to use them by invoking interface
- Built various AI meta-capabilities. Prioritized scenarios based on revenue estimation, designed data labeling rules by case analysis, converted business demands into model strategies, managed the model development and test process
- Worked with engineering, data science and operation teams to fulfill the system, and land it in various business lines

Project II: AI Customer Service Assistance System

Designed and built the system from zero, improving human work efficiency by 18%

- Conducted user research through field investigation, and designed a system to augment human work ability with ASR and NLP applied, including solutions as work order title, abstract prediction, and smart order distribution
- Constructed the data indicator system, developed data dashboards, landed A/B experiments to observe product effects

Project III: AI Customer Service Chatbot

Redesigned the bot with higher problem-solving abilities, reducing user loss by 10.3%, increasing user satisfaction by 5.3%

- Built the bot's active predicting capability from zero. Designed six smart recommendation features covering full bot trajectory based on feature mining and intent prediction, aiming to help users locate problems quicker
- Improved the bot's passive solving capability. Designed rhetorical multi-round dialogue structure to narrow down user

intentions. Designed problem-solving fast passages for users by interface invoking and external links
➤ Constructed the data monitoring system. Defined key indicators, designed event tracking schemes and data dashboards

Smart Retail Department | Megvii Technology | AI Product Manager Intern   Jun 2018 - Aug 2018
Megvii: A world-class AI unicorn, Top 50 Smartest Companies by MIT Tech Review
➤ Managed concept-to-launch of a core module of smart retail AI+IOT solutions, developing real-time statistics of customer in-shop behaviors, served 1000+ retail stores
➤ Designed the product scheme, prototyped, designed strategies of algorithms, hardware and data; collaborated with cross-functional teams of 12 research, engineering and design professionals to build and launch the product

PORJECTS

2017 China-India Standoff Public Opinion Big Data Analysis | 2nd Place, BDCI | Data Analyst   Sep 2017 - Nov 2017
➤ Crawled 1.5 million records from social media with Python and scrapy; cleaned and visualized the data in R
➤ Analyzed text data by applying NLP techniques, including text clustering, text classification, sentiment analysis, etc.
➤ Undertook statistical analysis and interpretation, composed a 50-page public opinion data analysis report

Ant Bookkeeping | Product Manager & Leader   Sep 2018 - Dec 2018
➤ Designed the Intelligent Bookkeeping APP, applying AI techniques to better user bookkeeping experience
➤ Led a PM team of 8 members to design the product from zero. Conducted user research, analyzed user needs, designed application modes and information architecture, prototyped, and conducted interaction design

LEADERSHIP & ACTIVITIES

Unique AI Lab | Unique Studio | Founder & Leader   May 2017 - present
➤ Founded AI Lab, grew it from 0 to 40 with a strict 3% selection rate; the first and best AI student group schoolwide
➤ Formulated operation mechanism, matched all needed resources for its development, like mentors, projects, machines
➤ Built the talent & innovation cultivation mechanism based on tutor mode, close cooperation and innovative practices
➤ Held AI salons and contests schoolwide, influencing 600+ undergraduates get involved in AI, especially lots of females
➤ Directed Unique Hackathon, the earliest and one of the largest hackathons in China, attracted 200+ students worldwide
➤ Collaborated closely with students from diverse backgrounds (CS, design, business, etc.) to create innovative solutions

Outgoing Global Talent | AIESIC HUST | Vice President   Nov 2016 - Nov 2017
➤ Formulated team development strategy, led 8 members to successfully help 15 students to be matched for overseas internships; AISEC is the world's largest international independent student organization
➤ Developed international cooperative relationships with six foreign local chapters including Ukraine, India, etc.
➤ Directed the team to expand market by market research, product packaging, brand marketing, customer consultation

International Volunteer in Malaysia | Volunteer Teaching Program   Jul 2016 - Aug 2016
➤ Broadened children's horizons through teaching, with the vision of reducing educational disparities between countries. Taught innovation classes in underprivileged Malaysian schools, organized cross-cultural communication events, held a leadership conference for 200+ Malaysian teenagers
➤ Played a leadership role in the cross-cultural volunteer team, coordinated with 18 volunteers from seven countries for two months, achieved high appraisals from all volunteers

ECHO Letter Volunteer Program | Ring Charity Team | Project Initiator & Manager   Sep 2016 - Aug 2018
➤ Launched ECHO program to build letter-communication companionship between volunteers and poor children in Guizhou, China. Over two years, 30+ children were accompanied by recruited volunteers and 500+ letters were sent

HONERS & AWARDS

Meritorious Winner (Top 0.17% ~7%), American Undergraduate Mathematical Contest in Modeling	2019
Second Place (Top 1%), CCF Big Data & Computational Intelligence Competition	2017
Interdisciplinary Star (Top 0.03%), Huazhong University of Sci. & Tech.	2019
Outstanding Individual of Innovation and Entrepreneurship (Top 1%), Huazhong University of Sci. & Tech.	2019
Pacemaker to Merit Student Nomination Award (Top 0.08%), Huazhong University of Sci. & Tech.	2019
National Scholarship (Top 0.2%)	2019

SKILLS

Key Skills: Analytical thinker, Effective Team Leader; Strategic Planning and Execution, Agile, Product Lifecycle Management, User & Market Research, UX Design, Data Statistics and analysis
Programming Languages: Python, R, C/C++, Java, SQL, Html, CSS, and Javascript