Sheng Ma

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WORK EXPERIENCE

United Nations   **New York, NY**

Software Developer Engineer at Emerging Technologies Team   May – Present 2019

- Developed Alba (Chatbot), which was to be used by 39,700 staffs at UN in 193 member nations to search for information, with *C#* and *Microsoft Bot Framework* for five channels (Web Chat, Google Home, Facebook, Skype, Microsoft Teams) in both text interface and voice interface, and ensured that Alba is functional in six un official languages
- Created a *bash* program, so that, instead of an hour, software engineer can use it to auto generate template for different skills in 10 seconds
- Built Unite Cognition Tool using *React, D3*, and *Ant Design* to create a platform for users to exchange articles for summaries, Q&A and video clips, by which *axios* was used to fetch data from back-end APIs

IFLYTEK   **Anhui, China**

Software Developer Intern at Smart Car Team   Jun – Sep 2018

- Developed car center console interface using *Vue* and *element-ui* and addressed the needs of UI and UX team
- Applied *axios* to extract data such as insurance info, car health condition, car manual, music list etc from backend APIs to integrate to the dynamic car console interface
- Optimized user experience by developing an autocomplete search bar which prompts a list of suggested items (Image and Name)

SELECTED PROJECTS

Events Search and Recommendation*: Java Web Service Development*

- Developed an interactive web page with *React* *JS* to search user's nearby events, and recommend events based on user's interest with the support of *content-based* recommendation algorithm
- Utilized *Apache Tomcat* as java servlets container to hold java servlets for *RESTful* APIs to handle HTTP requests and responses, and fetched events data (price, location, category, etc.) from Ticketmaster API and stored it in *MySQL* database

EDUCATION

Northwestern University   **Evanston, IL**

Master of Science - Computer Engineering, Dec 2018, GPA: 3.32/4.0

University of Missouri – Columbia   **Columbia, MO**

Bachelor of Science – Electrical Engineering, May, GPA: 3.68/4.0

East China University of Science and Technology   **Shanghai, China**

Bachelor of Science: Automation, Jul 2015, GPA: 3.3/4.0

TECHNICAL SKILLS

Java, SQL, Go, React, Vue, HTML, CSS, AWS EC2, Google Cloud, Big Query, Google Dataflow, MySQL, ElasticSearch, BigTable, Docker, Shell, Git/Github, Apache Tomcat, Design Pattern

INTERESTS

Landscape photography enthusiast, Avid singer – 3-year tenor in choir with 2 international first prize.