**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 (Chat Robot), 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 official languages.
* Created a ***bash*** program to auto generate different skills, greatly improved software engineer working efficiency, shorten the time for creating a new skill from roughly 40 mins to around 10 seconds.
* Built Unite Cognition Tool using ***React****,* ***D3***, and ***Ant Design*** to create a platform for users to view summarized articles, video clips, and Q&A extracted from a uploaded article, ***axios*** is 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*** to address the needs of UI and UX team.
* Applied ***axios*** extracted data such as insurance info, car health condition, car manual, music list etc from backend APIs to build a dynamic car console interface.
* Optimized user experience by developing an autocomplete search bar which provides a list of suggested items(Image and Name)

**SELECTED PROJECTS**

**Events Search and Ticket Recommendation*: Java Web Service Development***

* Developed an interactive web page for users to search nearby events and purchase tickets based on ***React*** *JS*.
* Utilized ***Apache Tomcat*** as java servlets container to hold java servlets for ***RESTful*** APIs to handle HTTP requests and responses.
* Fetched the real events data (price, location, category, etc.) from Ticketmaster API and stored it in relational (***MySQL***) database.
* Implemented business recommendation with ***content-based*** recommendation algorithm.
* Deployed the local server to ***AWS(Amazon Web Service) EC2*** instance.

**EDUCATION**

**Northwestern University Evanston, IL**

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

**University of Missouri 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.