Edward (Dejing) Kong

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Education

New Jersey Institute of Technology   **Newark, NJ**
- Master of Science in Computer Science   GPA(3.8/4.0)   *Sep.2020 – Present*

Work Experience

Sunels International Inc.   **Totowa, NJ**
Software Engineer Intern   *Nov. 2021 – Mar. 2021*
- Participated in the development of the user interface for an order management application using **React**
- Implemented a set of **RESTful** API endpoints for the order management app using **Python** and **Flask**
- Implemented an order search feature using **Elasticsearch** to improve searching efficiency
- Used **Git** as a teamwork and version control system

Vastitude Media US Corp.   **New York, NY**
Software Engineer Intern   *May. 2021 – Aug. 2021*
- Worked on the front end of the company's website using **HTML**, **CSS** and **JavaScript**
- Implemented an SMS verification feature using **Axios** and optimized it with **RabbitMQ** as the message queue
- Optimized **MySQL** databases by improving speed and scalability via Read/Write separation

Select Projects

We-Space | Full Stack Community Blog Website *(https://github.com/konaer/We_Space)*
- Developed a full stack blog website using **Python**, **Django**, **Vue.js** and **MySQL**
- Built web pages and user interface by using **Bootstrap**, **JavaScript** and **Vue.js**
- Used **Redis** as cache to accelerate user query speed.
- Deployed application to **AWS EC2** with **Nginx** and **uWsgi** as the web server

I-Space | Full Stack Personal Blog Website *(https://github.com/konaer/I-Space)*
- Developed a full stack personal blog website using **Java**, **Spring Boot**, **Semantic UI** and **MySQL**
- Implemented features such as data tracking, article recommendation, archiving, categorizing, labeling, and commenting
- Used **Hibernate**, **Thymeleaf**, and **Maven** as an ORM tool, template engine, and development environment, respectively Built front-end with **jQuery** and **Semantic UI** to handle CSS and DOM

ShoutOut2.1 | Android Online Chatting App *(https://github.com/konaer/Shout_Out2.1)*
- Developed online chatting app through **Android Studio**
- Implemented features including registration, one on one chat, group chat, image and document transfer, and addition and deletion of contacts via **Java**
- Designed and set up a real-time database by using **Google Firebase**

WineTaster | Machine Learning & Cloud Computing application*(https://github.com/konaer/WineTaster)*
- Developed a parallel machine learning (ML) wine quality prediction application in **Amazon AWS** cloud platform
- Built an ML model with **Spark MLlib** in **AWS EMR,** trained ML model parallelly in **AWS EC2** instances
- Implemented a container with **Docker** to simplify model deployment in **Linux** system

Skills

Programming Language: Java, Python, JavaScript, SQL
Frontend: HTML5, CSS, Bootstrap, Semantic UI, jQuery, React, Vue.js
Backend: Django, Flask, Spring Boot, Hibernate, MySQL, Redis, RabbitMQ, Elasticsearch,
DevOps: AWS, Docker, Git, Maven, Linux, Postman