Dejing (Edward) 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 – Jan.2022*

Work Experience

Vastitude Media US Corp.   **New York, NY**
Software Engineer   *April. 2022 – Present*

- Worked on an exhibition automation and management application which significantly improved interaction efficiency
- between designers and clients by using **Python** and **Flask**
- Optimized email verification with an asynchronization solution by using **Celery** and **RabbitMQ**
- Designed series of customized reusable components including sidebar and header with **React**
- Optimized **databases** by improving speed and scalability via Read/Write separation
- Provided maintenance, bug fixes and developed patch sets
- Used **Git** for project management and version control tool

Sunels International Inc   **Totowa, NJ**
Software Engineer Intern   *Jan. 2022 – Mar. 2022*

- Developed user-friendly UI for an order management application with **HTML5**, **CSS3** and **JavaScript**.
- Used lifecycle hooks in **React** to tap into key event and respond when data update
- Developed asynchronous means of retrieval of data from the Server and Database using **Ajax**
- Implemented two factor authentication by integrating with **Twilio** to strength the security

Select Projects

We-Space | Full Stack Community Blog Website *(https://github.com/konaer/We_Space)*

- Developed a full stack communication platform for the SDE community to post and share ideas about techs
- Built the **RESTful** API with modular design using **Python** and **Django**
- Designed and developed an elegant and responsive web user interface using **Bootstrap**, **JavaScript** and **Vue.js**
- Designed the data model with **MySQL** and applied **Redis** to accelerate 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 online journal to record personal learning notes using **Java, Spring Boot** and **MySQL**
- Implemented features such as data tracking, article recommendation, archiving, categorizing, labeling, and commenting
- Designed web application using **HTML**, **semantic UI** and **jQuery**
- Used **Hibernate**, **Thymeleaf**, and **Maven** as an ORM tool, template engine, and development environment, respectively

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, addition and deletion of contacts via **Java**
- Implemented image and document transfer by using **Firebase Storage**
- 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) application to predict wine quality
- Built an ML model with **Spark MLlib** in **AWS EMR,** trained ML model parallelly in **AWS EC2** instances
- Built the **Docker** image to fasten the deployment process to different containerized environment

Skills

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