

# Edward (Dejing) Kong

<https://konaer.github.io/>

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## Education

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### New Jersey Institute of Technology

Newark, NJ

- Master of Science in Computer Science GPA(3.8/4.0)

Sep.2020 – Aug.2021

## Work Experience

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### Vastitude Media US Corp.

New York, NY

Software Engineer Intern

May. 2021 – Aug. 2021

- Worked on an exhibition automation and management application which significantly improved interaction efficiency between designers and clients by using **Python** and **Flask**
- Implemented two factor authentication by integrating with **Twilio** to strength the security
- Optimized SMS verification with an asynchronization solution by using **Celery** and **RabbitMQ**
- Used **Git** as a teamwork and version control tool

### Sunels International Inc

Totowa, NJ

Software Engineer Intern

Nov. 2020 – Mar. 2021

- Worked on the development of the user interface for an order management application using **HTML**, **CSS** 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**

## Select Projects

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### We-Space | Full Stack Community Blog Website (<http://www.konaer.tk>) ([https://github.com/konaer/We\\_Space](https://github.com/konaer/We_Space))

- Developed a full stack communication platform, an online space for the SDE community to post and share their ideas about different 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 ([www.ispaceblog.tk](http://www.ispaceblog.tk)) (<https://github.com/konaer/I-Space>)

- Developed a full stack online journal to record my thoughts during learning process 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](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

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**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