## **Yi Zong**

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**EDUCATION**

* **Stevens Institute of Technology, Hoboken, NJ**

### Master of Science, Computer Science**, 05.2020**

* **Tianjin University, Tian Jin, China**

### Bachelor of Engineering, Electrical Engineer (Microelectronics), **07.2016**

**SKILLS**

* **Programming/Scripting Languages:** (Proficient) Java, Python, SQL(with Stanford online certification), JS, Html, CSS, MATLAB, etc.
* **Frameworks and tools**: IDE, Spring boot, Flask, Django, Git, WordPress, Cloud Service, etc.

**EXPERIENCE**

**Back-end Development (Part-time)**

* **CSS analysis in Exchange Server– MicroSoft**

Deploy AD domain and Exchange 2016 server, focus on server transport and authentication.

Accomplish inbound/outbound mailing, connectivity with mapi, query in Exchange web service, DAG set up and database management

Analyze spam(P2 header disguise) under anonymous proxy in telnet way and try to prevent spam.

Use data and logs to analyze workflow in mail and mechanism. **03.2020-05.2020**

**Research Assistant (RA)**

* **Hanlon Financial Systems Center – Stevens Institute of Technology**

Focus on data and database management with emphasis on modeling and design  **09.2020 to now**

**Electrical Engineering Internship**

* **Engineer SZ DJI Technology Co.,ltd.,.**

Interned with the circuit design team which focus on the hardware of DJI **07.2017-08.2017**

* **Technique R&D Engineer, Shanxi Optoelectronics Technology Co., Ltd.,**

Participated in the R&D of SMD2835 high photosynthetic efficiency products **10.2016-06.2017**

**Competition Award**

* **Rank 1st in Texas Instrument Cup Electronic Design Competition. 07.2014-11.2014**
* **School First Prize for Innovation and Entrepreneurship Training Program** **11.2014-11.2015**

**PROJECTS**

**Instagram Design using Django, Jiuzhang**

* Designed and implemented a mini Instagram full stack Django application deployed to Heroku.
* The overall functionality of this full stack web application includes: authentication, authorization, follow/unfollow user, making posts, master/detail view of posts, etc…
* Implement the front end interface using html, bootstrap, javascript, allowing user to participate.
* Designed database + wrapper layer using django model, to support application’s business logic.
* Implemented django views to handle different web requests using python. Added logs and proper unit tests for these views as well.

**Stock Price Analysis information web interface**

* Design and Implement a mini full stack Flask web application, deployed to Heroku.
* Designed front end interface using html, bootstrap, javascript allowing user to interact.
* Cleaning data using python numpy, Pandas and matplotlib to visulize data index like ROE, K-curve, volume, RSI, KDG and MACD etc..

**Building Scalable Java Microservices with Spring Boot and Spring Cloud**

* Integrate a range of GCP services into Java applications with Spring Boot
* Deploy Spring Boot Java applications to App Engine and Kubernetes Engine
* Debug and monitor deployed applications using Stackdriver