

Yi Zong

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EDUCATION

- **Stevens Institute of Technology, Hoboken, NJ** **05.2020**
Master of Science, Computer Science,
- **Tianjin University, Tian Jin, China** **07.2016**
Bachelor of Engineering, Electrical Engineer (Microelectronics),

SKILLS

- Java, Python, JavaScript, React, Node.js, Django, Git Express.js, Unit Test(Junit/ Mocha), RESTful API design, HTML5, CSS3, DOM, HTTP/JSON/AJAX, NPM, PostgreSQL/SQL, Spring boot, Flask, Git, WordPress, Cloud Service, etc.

WORK EXPERIENCE

Back-end Development Internship

- **Customer Service Support in Exchange Server in Microsoft** **03.2020-05.2020**
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 to prevent spam.
Use data and logs to analyze workflow in mail and mechanism.

Research Assistant

- **Hanlon Financial Systems Center – Stevens Institute of Technology** **09.2020 to now**
Focus on data and database management with emphasis on modeling and design

Electrical Engineering

- **DJI Technology Co., Ltd.,** **07.2017-08.2017**
Interned with the circuit design team which focus on the hardware of DJI
- **Technique R&D Engineer, Shanxi Optoelectronics Technology Co., Ltd.,** **10.2016-06.2017**
Developed and test in the R&D of SMD2835 high photosynthetic efficiency products

PROJECTS

Instagram Design using Django – Full Stack

- 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.

Tech lead of Stock Price Analysis information web interface – Full Stack

- 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 visualize data index like ROE, K-curve, volume, RSI, KDG and MACD etc.

Smart-brain App Design – Full Stack

- Developed a fully responsive app with React in front-end with image recognition API.
- Involved in application-level code to interact with APIs, Web Services using AJAX, JSON.
- Used Node.js for adding dependencies to the project, extensively used Git for version controlling
- Worked with Mocha unit test framework to write unit tests for JavaScript code
- Deployed to Heroku and Handled cross browser platform compatibility issues (IE, Firefox, Chrome, Safari) on MacOS.