# Ruofei Xu

College Station, Texas

**Mobile Phone:** (979) 344-8077      **Email:** ruofeifelixxu@gmail.com

**GitHub:** https://github.com/XRFXRF      **LinkedIn:** https://www.linkedin.com/in/felix-xu/

## Education

- **Texas A&M University**      **College Station, Texas**
  *Master of Science in Computer Engineering*      *August 2022 – May 2024 (Expected)*
- **Shanghai Jiao Tong University**      **Shanghai, China**
  *Bachelor of Science in Food Science and Engineering*      *September 2017 – June 2021*

## Skills

- **Languages:** Java, Python, JavaScript, Node.js, TypeScript, C++, C, SQL, HTML, CSS
- **Technologies:** React.js, Express.js, Spring Boot, Flask, Django, Linux, MySQL, MongoDB, Git, RESTful API, Docker
- **Tools:** GitHub, AWS (SDK, CDK, Serverless, API Gateway, DynamoDB, etc.), Alibaba Cloud, Postman, Visual Studio Code, PyCharm, Anaconda, IntelliJ IDEA

## Experience

**Ellucian**      **Virginia, US**

*Software Development Engineer*      *May 2023 – August 2023*

- Ellucian is a software company that provides the technology solutions and services for higher education institutions. I worked on the **Activity Feed Service** of the Home Page for the users.
- Built the backend with **TypeScript** on **Linux** and the frontend by **React.js** for the Activity Feed Service, and deployed the service on **AWS** by **AWS CDK** with **Serverless** framework.
- Used **MongoDB** to store the metadata, and used **AWS DynamoDB** with **DynamoDB Accelerator (DAX)** as the cache layer to improve the speed of data access performance, enhancing the users' experience. Enabled the **Stream** of the database, sending the data changes to other services.
- Deployed **Serverless functions** for functionalities on the Home Page, such as **CRUD** operations and **JWT authorization**, saving money compared to having a server.
- Created and managed the **RESTful APIs** for invoking the Serverless functions by **API Gateway** and attached them to domain names.

**DingStock**      **Chengdu, China**

*Software Development Engineer*      *May 2022 – August 2022*

- DingStock is a mobile APP for online shopping. Based on **Express.js** in **JavaScript**, built a **Log Management System** for DingStock App, updated 1,000,000+ logs in App in real-time, and monitored users' behavior.
- Developed a project by **Node.js** to manage the **Push Notifications** of the DingStock App, which increased the click rate of Android users by 1.5% and the click rate of iOS users by 3.2% within two months.
- Developed a robot to automatically push weekly assignments schedule to the related groups, and used **HTML/CSS** to render the contents, improving the efficiency of the groups.
- Built **RESTful APIs** with **Node.js (Express)/MongoDB** to handle **HTTP** requests and responses and create **CRUD** operations to fetch data with queries.
- Implemented **JWT Token** for the user authorization, improved the security of the verifying requests.

**Deloitte**      **Shanghai, China**

*Software Development Engineer*      *June 2019 – August 2019*

- Built microservice web applications by **Spring Boot** for a data analysis website.
- Designed **Object Relational Mapping (ORM)** that managed data from **MySQL** server and implemented **CRUD** operations in database, created **RESTful APIs** for operations on the database.
- Developed a website UI for users by **React.js**, and attached functional APIs to buttons and pages on the website.
- Containerized the backend and the frontend by **Docker**, and deployed the projects on **AWS EC2**.