

YUCHEN(ALINA) ZHENG

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EDUCATION

University of Pennsylvania, GPA: 3.88/4.0 Aug. 2021 - May. 2023
M.S. in System Engineering *Philadelphia, PA*

Central University of Finance and Economics, Major GPA: 3.84/4.0 GPA: 3.6/4.0 Sep. 2017 - Jun. 2021
B.S. in Information System — Double Major: Finance *Beijing, China*

University of California, Berkeley, GPA: 3.77/4.0 Jan. 2019 - May. 2019
Computer Science Visiting Student *Berkeley, CA*

CS Courseworks: Programming For the Web, Operating System, Database System, Information Security, Information System Development, Data Structure and Algorithms, Practical Machine Learning

SKILLS

Programming Languages: Python, Java, JavaScript, HTML/CSS, SQL, C++, R
Development & Tools: React, Node.js, MySQL, MongoDB, Hive, Redis, AWS, Docker, Kubernetes, Django, Git

EXPERIENCE

Software Engineer Intern, Jinko Solar Inc. Jun. 2022 - Aug. 2022
IT Support Team *Jacksonville, Florida*

- Lead the development of a Full-Stack dashboard application for the manufacturing line. Developed the front-end using **React.js**, and back-end using **Django**. Used **Jest** for unit tests and reached a 91% line coverage.
- Implemented real-time manufacturing data visualization function using Syncfusion and PyPlot. Saved about **30 mins** for every production engineer everyday by clearly conveyed the key data “at a glance” on the dashboard.
- Build **data ETL pipelines** with **shell scripts**, send the different data automatically to specific engineer via Slack.
- Integrate the dashboard application using **Docker** and **Kubernetes** to deploy and maintain it on different devices.

Software Engineer Intern, Netease Company Oct. 2020 - Mar. 2021
Development Center *Beijing, China*

- Worked with teammates to migrate the database of the MORE app (a social media app) from Hive to **AWS S3**. Optimized the **AWS Athena** time efficiency by updating the **SQL** queries and reduced data fetching time by 30%.
- Built and trained a kNN model for the news feed Recommender System. Designed a COVID-19 news recommendation rule with **LSTM**. Improved **CTR** (Click Through Rate) by 12% in the A/B Tests for users from over 5 countries.

Software Engineer Intern, Everbright Technology Jun. 2019 - Aug. 2019
Data Department *Beijing, China*

- Extracted and classify 20000+ customers data of the bank app using **Python Regex**. Cooperated with the product manager to analyze the data and maintained a 90% monthly retention rate.

Founder, Software Engineer, 3S University Second Handbook App [Github] Oct. 2018 - May. 2019
One of the three founders *Beijing, China*

- Design and implemented backend APIs for a customer to customer second-hand book **Android** app in **Java**.
- Reached 1,000 users in our university and completed 2 orders on average for a users.

PROJECTS

Distributed Online E-commerce Website [Github] May. 2022 - Aug. 2022

- Developed a online shopping website based on micro services, utilized Vue to construct web pages and render data from micro-services. Used **Spring Boot** for backend operations designed with **RESTful APIs**.
- Used **Redis** to store user-item relation information to implement high-performance cart.
- Deployed the web app on Ali Cloud with **Nginx**.

Full-stack Social Network Web App(Similar to Reddit) [Github] Sep. 2021 - Dec. 2021

- Used **React** with **Redux** for frontend and **Node.js**, **Express** for backend and **NoSQL(MongoDB)** for database.
- Integrated all the tests and the **Eslint** code style check on github using **travis CI/CD**.
- Deployed the web app on an AWS Ubuntu server.