

# Yun(Amber) Du

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Targeting **Software Development & Data Engineer** Full-time Positions

## Education

### Texas A&M University

Aug. 2022 – May 2024

Master of Science, Computer Engineering - Computer Science Track

College Station, TX

**Awards:** GHC'23 Student Scholarship, Grad Pgm Fee/Schol-Fellowships, COSC Graduate Program Scholars

**Relevant Coursework:** Machine Learning, Deep Learning, Analysis of Algorithms, Data Mining & Analysis, Construction Info Technology(DataBase)

### Zhongnan University of Economics and Law

Sep. 2016 – June 2020

Dual Bachelor of Management Science, Accounting & Project Cost

Wuhan, China

## Skills

**Programming Languages:** Python, Java, SQL, JavaScript/Typescript, HTML5/CSS3

**Frameworks & Libraries :** React.js, Vue.js/Vite, Node.js, Element Plus, Tailwind CSS, Echart, Numpy, Pandas/GeoPandas

**Databases:** Oracle(NetSuite), MySQL, Redis, PostgreSQL

**System & Tools:** Linux, Vim, Git/GitHub, Heroku, IntelliJ IDEA, VS Code, Photoshop

## Experience

### AECOM | aecom.com

Aug. 2023 – Present

Software(FrontEnd) & Data Intern — Javascript, Python, Vue.js, Echart, Node.js, PostgreSQL, DataV

Sanford, FL

- Independently designed and developed the frontend interface for a website utilizing the **Vue.js/Vite** framework, **Element Plus** and **Tailwind CSS** coding in **JavaScript**
- Developed and implemented a dynamic transportation data visualization using **ECharts**, **Axios**, and **DataV**, enabling seamless frontend and backend data presentation
- Pulled traffic data using **SQL** and analyzed it using **Python** including vehicle and pedestrian crashes, travel times, traffic counts, etc.
- Contributed within Traffic Safety, ITS and Traffic and/or TMC Operations as needed

### US Cabinet Depot | uscabinetdepot.com

May 2023 – Aug. 2023

IT Intern — SQL, Oracle NetSuite, MySQL, VitePress, Git/Github, Magento, Celigo, BaseCamp

Marietta, GA

- Provided technical support to the accounting department by generating financial reports and managing data in **Oracle NetSuite** and **MySQL** using **SQL**
- Developed user guides for an Application and a Web platform using **Vitepress(Vue.js/Typescript/CSS)** and **Git/GitHub** version control
- Utilized **Celigo** to resolve daily errors between **Oracle NetSuite** and **Magento**, ensuring warehouse business operations
- Collaborated effectively with international IT teams through weekly meetings to manage projects using **Basecamp**

### Texas A&M Engineering Experiment Station | tees.tamu.edu

May 2022 – Dec. 2022

Student Assistant — Python, Machine Learning, Deep Learning, Linux

College Station, TX

- Collaborated with the lab team to prepare digital signal datasets using **LabelImg** on **Ubuntu** for deep learning models
- Configured the environment and optimized hyperparameters for training a **Transformer** model on predicting radar spectrum occupation dataset using **TAMU HPRC(Linux)**
- Achieved a **15%** increase in test accuracy by selecting an optimal hyperparameter combination and thoroughly testing the model

## Projects

### Web Book Management System V1.0, V2.0 | Personal Project

Feb. 2023 – Present

Java, Maven, MyBatis, MySQL, JavaScript, HTML/CSS, JUnit, Lombok, Git

🔗 [V1.0](#) 🔗 [V2.0](#)

- (V1.0) Implemented the core functionality of the book management system using **Java** enable users to add, edit, delete, modify, and query book information, student information, and borrowing history
- (V2.0) Developed a professional and intuitive web page using **HTML/CSS/JavaScript**
- (V2.0) Utilized **MySQL/MyBatis** to store books, students, borrow information
- (V2.0) Tested the web service with **unit tests(JUnit)** and integrated a logging system for monitoring system activities and troubleshooting