Yun Du

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Targeting **Software** & **Database** & **Data Engineer** Fulltime Positions

Education

Texas A&M University   **Aug. 2022 – Dec. 2023**
Master of Science, Computer Engineering - Computer Science Track   *College Station, TX*
Awards: *Grad Pgm Fee/Schol-Fellowships, COSC Graduate Program Scholars*
Relevant Coursework: *Software Engineering, Analysis of Algorithms, Machine Learning, Construction Info Technology(DataBase),*
Operating System, Data Mining & Analysis

Skills

Programming Languages: Java, Python, JavaScript/Typescript, MATLAB, HTML5, CSS3, LaTex, Markdown, C++
Frameworks & **Libraries** : Spring, SpringBoot, SpringCloud, Vue, React, VitePress, MyBatis, Maven, Apache Tomcat
Databases: Oracle(NetSuite), MySql, Redis, PostgreSQL, MongoDB, JSON/XML
System & **Tools**: Linux, Vim, Windows, Git/GitHub, AWS EC2, JUnit, Lombok, Heroku, IntelliJ IDEA, VS Code
Others: MS Project, Lean Productivity(Management), Visio, AutoCAD, Revit, On-Screen Takeoff, Photoshop

Experience

US Cabinet Depot | `uscabinetdepot.com`   **May 2023 – Aug. 2023**
IT Intern — Oracle NetSuite, 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** 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 datasets using **LabelImg** on **Ubuntu** for deep learning models
- Configured the environment and optimized hyperparameters for training a **Transformer** model on **TAMU HPRC**
- 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, V3.0 | `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

My Math Apps Store | `Course Project`   **Jan. 2022 - May 2023**
Typescript, React, Nest.js, MySQL, Yarn, Cucumber, Jest, Docker, Heroku, Git   ⭘*MyMathAppSpring2023*
- Collaborated with a team to create an online math textbook store with payment integration, content access, and user-friendly features
- Conducted front-end and back-end testing utilizing **Cucumber** and **Jest** to automate test cases and ensure proper functionality

Artificial Language Translation | `Course Project`   **April 2022 - May 2022**
Python, Machine Learning, Deep Learning, Google Colab, TAMU HPRC   ⭘*Deep-learning-Project-2*
- Designed and trained a machine translation model to translate texts in an "Input Language" to texts in an "Output Language" on dataset
- Improved test accuracy to **80%** on test dataset by implementing Random Forest

Leadership/Extracurricular

University Women's Table Tennis Team   **Sep. 2021 - Present**
Captain & Certificate of Chinese National Second-Level Table Tennis Athlete   *nctta.org | teamusa.org/usa-table-tennis*
- Represented University team competing at regional and national level tournaments