YE XU

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EDUCATION

Brandeis University   **Aug. 2022 - May 2024**
Master of Science in Computer Science   *Waltham, MA*

Vanderbilt University   **Aug. 2019 - May 2021**
Master of Education in Language Science & Development   *Nashville, TN*

TECHNICAL SKILLS

Languages: Java, Python, HTML/CSS, JavaScript, SQL, PHP
Developer Tools: VS Code, Eclipse, Node.js, Vue.JS, React, Bootstrap, MySQL
Frameworks: Express, SpringBoot, MongoDB, Flask, LAMP

EXPERIENCE

Norwegian Development Partners   **Sept. 2022 - Present**
Software Development Engineer Intern   *Remote*
- Assist in development of the mobile application 'Seedling' for **iOS/Android** using **JavaScript** and **VUE.js**.
- Incorporate scripts into an organized format and optimize audio to word multiple choice cubic on the application.
- Collaborate with engineering team members using GitHub to organize modifications and assigned tasks.
- Assess customer experience and propose application interface improvements to the development team.

Middle Tennessee State University   **Aug. 2021 - May 2022**
Research Assistant   *Murfreesboro, TN*
- Conducted meta-analysis data extraction from approximately 120 interventions in research publications with **Python**.
- Improved the research project effectively by fixing coding discrepancies in the group coding project.
- Performed thorough literacy assessment for the classroom interventions in Rutherford County Tennessee.

Huashi Language Institution   **Jul. 2014 - Aug. 2019**
Founder & Director   *Hefei, China*
- Constructed management structure and business principles for the company and trained newly recruited employees.
- Designed effective language teaching curricula and planned promotional activities via social media and events.

PROJECTS

Full-Stack Event Sharing Web App | *JavaScript*   **Sept. 2022**
- Developed a single page application (SPA) for users to share special events using **React**, **Node.js**, and **Express**.
- Created and deployed clusters on **MongoDB** to host database on the clouds for data storage.
- Implemented **HTTP** codes for front-end to communicate with back-end via **RESTful API**.
- Exported **Mongoose** model from the message file to add routes and perform operations.
- Set up website properties and styles by using **JavaScript** and **React**.

Bank Account Registration App | *Java*   **Aug. 2022**
- Formed the application structure using **Java** to simulate the common functions of a bank account registration.
- Initialized new account with constructor and super constructor and set up the interest rate interface.
- Created a savings and checking account registration portal by implementing object-oriented programming practices.

Quiz App | *Python*   **Jun. 2022**
- Optimized the quiz application for users with **TKinter**.
- Set up **API** parameters to get data of randomized questions from open trivia question database.
- Created and modified the properties of choice buttons for the application and kept track of the scores.

Laugh & Learn in the Village Summer Camp | *Leadership*   **Jun. 2018 & Jul. 2019**
- Recruited and trained a team of over 20 volunteering teachers from China and the U.S. to help with the educational needs of children in rural Henan, China, for two summers.
- Designed curricula for the teachers and raised funds to purchase textbooks and learning materials for the students.