Luna Meng Jia

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EDUCATION

Eastern Michigan University	Ypsilanti, MI
Bachelor Degree: Computer Science	Jan 2021- April 2024
Washtenaw Community College	Ann Arbor, MI
Associate Degree: Computer Science	Sep 2020 - April 2023

Programming Languages:

Java, Python, HTML, Javascript, PHP, Swift, C, C++, C#

COURSEWORK

Advanced Java Concepts, Computer Organization, Algorithms & Data Structures, Computational Discrete, Fundamental Linux/ Unix, Database Principles and Application, Java Spring Framework, Professional Team Programming, Statistical Methods, Computer Operating Systems, Software Engineering Solutions, Web Programming

PROJECTS

YouTube Review and Description Fetcher

- Tools & Technologies: Python, FastAPI, Google Cloud Translate API, GitHub Actions, pytest
- Developed a Python-based application leveraging FastAPI to create a RESTful API for fetching YouTube video reviews and detailed descriptions.
- Integrated Google Cloud Translate API to support fetching reviews in various languages, enhancing the applicability for non-English users.
- Implemented command-line functionality to allow users to fetch reviews and descriptions using specific video IDs or search terms.
- Utilized GitHub Actions for continuous integration, ensuring code quality through automated testing with pytest.
- Achieved seamless translation of movie titles to desired languages, enabling retrieval of language-specific video reviews.
- Wrote comprehensive unit tests to ensure functionality coverage and reliability, achieving high code coverage.

Online Restaurant Order Management System

- Developed a comprehensive web-based application for restaurant order management using PHP, MySQL, Javascript and Bootstrap, enhancing user experience and operational efficiency.
- Implemented a dynamic and responsive user interface for placing orders, with features such as auto-fill using cookies for returning customers, and a diverse menu selections.
- Designed a secure login system for administrative access, enabling restaurant staff to view, manage, and complete orders. Utilized session management in PHP to maintain user login state.
- Implemented back-end functionality in PHP, including database interactions for order processing and management, with a focus on data integrity and security.

Online Exam System

- Developed an online exam system enabling students to take exams and view grades in real time.
- Implemented session management in PHP to securely track user activity throughout the examination process.
- Designed a user-friendly interface with HTML, CSS, and Bootstrap, enhancing the overall user experience.
- Utilized MySQL for database management, storing student data, exam questions, and results.
- Incorporated security measures to prevent unauthorized access and ensure data integrity.

WORK EXPERIENCE

Teaching Assistant   Eastern Michigan University, Ypsilanti, MI   Sep 2018 — Apr 2019

- Conference Coordination: Actively collaborated with a team of 4 to organize and manage ISRC conferences and presentations. Played a key role in streamlining event logistics, ensuring seamless execution of multiple academic events.
- Language Tutoring: Provided one-on-one English language tutoring to international students, focusing on enhancing their linguistic skills and cultural acclimatization.
- Course Instruction: Designed and taught the "Beginning English Speaking & Listening" course, employing interactive teaching methods to foster student engagement and language proficiency.
- Cross-Cultural Communication: Developed and delivered culturally sensitive and accessible course content, contributing to an inclusive learning environment.