Yutong (Daisy) He

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EDUCATION

Northeastern University, Boston, MA   Sept 2021 – Present
Khoury College of Computer Sciences   Expected Graduation: December 2025
MS in Computer Science Candidate, GPA: 3.85/4.00
Related courses: Data Structures, Algorithms, Object-Oriented Design, Computer Systems, Foundations of Software
Engineering, Web Development, Mobile Application Development, Database Management Systems

New York University, New York, NY   May 2015
MA in Teaching Foreign Language (Mandarin) and TESOL, GPA: 4.00/4.00

Beijing Normal University, Beijing, China   July 2013
BA in Chinese Language & Literature, GPA: 3.69/4.00

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, HTML, CSS, TypeScript, R, C
Relational & Non-Relational Databases: MySQL, MongoDB, Firebase
Frameworks: Node.js, React, LangGraph
Tools & Platforms: GitHub, Figma, Jira, Android Studio, Postman, Heroku, AWS Elastic Beanstalk
Other Skills: Object-Oriented Design, Agile Scrum

PROJECTS

GPT-Recipe Multi-Agent Application
Personal Project   July 2024
- Developed an innovative multi-agent application using OpenAI API, Tavily API, and LangGraph framework to create personalized recipe books.
- Designed a user-friendly interface for inputting preferences and crafted high-quality, visually appealing recipe layouts.
- Implemented distinct AI agents in the pipeline for searching, curating, writing, critiquing, designing, editing, and publishing recipes.

GoalForIt! Goals Tracking and Habits Building Mobile Application
Course Project, Northeastern University   January 2023 – April 2023
- Designed and implemented intuitive user interfaces for various screens.
- Utilized Firebase real-time database to establish seamless data connectivity among users and messages.
- Implemented essential app features such as profile editing, friend management, and notification messaging.

RecipeFridge Recipe Creating and Searching Web Application
Course Project, Northeastern University   October 2022 – December 2022
- Designed and implemented UI for multiple key pages, focusing on intuitive navigation and user-friendly interfaces.
- Established robust data connectivity with MongoDB to enable seamless data exchange among users and recipes.
- Executed comprehensive implementation of user management, recipe creation, and friend interaction functionalities.
- Adhered to Scrum Agile methodologies.
- Implemented and rigorously tested RESTful Web Services for data management.

Using NLP/Machine Learning for Bibliography Parsing
XN Rising Project, Northeastern University & Pfizer   January 2022 – April 2022
- Collaborated on developing a bibliography parsing tool using ensemble learning, which combines regular expression parsing with machine learning algorithms to significantly enhance accuracy.

WORK EXPERIENCE

Pelham Middle School & Pelham Memorial High School, Pelham, NY   September 2015 – June 2021
Tenured Mandarin Teacher, Grades 6-12
- Founded and expanded the Mandarin program for grades 6-12 in Pelham Public School District.