Yutong (Daisy) He

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EDUCATION

Northeastern University, Boston, MA   Sept 2021 – Present
Khoury College of Computer Sciences   Expected Graduation: May 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, C, TypeScript, R
Relational & Non-Relational Databases: MySQL, MongoDB, Firebase
Web Technologies & Frameworks: HTML, CSS, Node.js, React
Tools & Platforms: Github, Figma, Jira, Android Studio, Postman, Heroku, AWS Elastic Beanstalk
Other Skills: Object-Oriented Design, Agile Scrum

PROJECTS

GoalForIt! **Goals Tracking and Habits Building Mobile App**
Course Project, Northeastern University   January 2023 – April 2023
  Front-end Development:
  - Designed and implemented intuitive user interfaces for various screens.
  Back-end Development:
  - 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 App**
Course Project, Northeastern University   October 2022 – December 2022
  Front-end Development:
  - Designed and implemented UI for multiple key pages, focusing on intuitive navigation and user-friendly interfaces.
  Back-end Development:
  - 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.

Integrating a Customer-Restaurant Interaction Module to A Social Media Web App
Course Project, Northeastern University   October 2022 – December 2022
  - Led a team in adhering to Scrum Agile methodologies to integrate a customer-restaurant feature into a social media platform.
  - Crafted and deployed user authentication systems for different user types.
  - 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.