Yutong (Daisy) He

hytdaisy@gmail.com | (617) 763-8070 | Boston, MA | https://www.linkedin.com/in/yutonghe/ | https://yutongdaisyhe.github.io/

EDUCATION

Northeastern University, Boston, MA
MS in Computer Science Candidate, GPA: 3.85/4.00
Relevant coursework: Data Structures, Algorithms, Object-Oriented Design, Computer Systems, Foundations of Software Engineering, Web Development, Mobile Application Development, Database Management Systems, Cloud Computing

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, SQL, TypeScript, R, C, PHP
Frontend Development: React.js, Redux, HTML, CSS, UI/UX Design, Drupal
Backend Development & APIs: Node.js, Flask, RESTful APIs
Databases & Cloud Platforms: PostgreSQL, MySQL, MongoDB, Firebase, AWS (Certified Cloud Practitioner)
Tools & Methodologies: Git, Android Studio, Figma, Jira, Postman, JUnit, Agile, OOP, Docker, CI/CD Pipelines

INDUSTRY & TEACHING EXPERIENCE

IpserLab Startup, LLC, Mountain View, CA (Remote)   September 2024 – December 2024
Software Engineer Intern
- Promoted to Intern Development Team Lead, collaborating with UI/UX designers and product managers to deliver user-focused solutions.
- Built intuitive front-end interfaces with React.js and optimized back-end systems using Java, JDBC, and PostgreSQL for performance and scalability.
- Addressed key technical challenges across the stack, applying agile development and iterative feedback to deliver high-quality features on schedule.

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.

PROJECTS

GPT-Recipe **Multi-Agent Application**
Personal Project   July 2024
- Developed a multi-agent system using OpenAI API, Tavily API, and LangGraph to generate personalized recipe books.
- Designed a user-friendly interface for inputting preferences and crafted high-quality, visually appealing recipe layouts.

GoalForIt! **Goals Tracking and Habits Building Mobile Application**
Course Project, Northeastern University   January 2023 – April 2023
- Designed and implemented front-end interfaces for user profiles, notifications, and messaging.
- Leveraged Firebase Real-Time Database to establish seamless data connectivity among users and messages.

RecipeFridge **Recipe Creating and Searching Web Application**
Course Project, Northeastern University   October 2022 – December 2022
- Built intuitive UI components for key pages using React.js, focusing on seamless navigation and user experience.
- Integrated MongoDB for seamless data management and user interactions.
- Implemented and tested RESTful Web Services for user and recipe data, following Agile Scrum methodologies.

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 techniques, combining regular expressions and machine learning to enhance parsing accuracy.