Yutong (Daisy) He

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EDUCATION

Northeastern University, Boston, MA   August 2025
MS in Computer Science Candidate, GPA: 3.87/4.00
Relevant coursework: Data Structures & Algorithms, OOD, Computer Systems, Software Engineering, Web & Mobile Dev, Databases, Cloud Computing, Machine Learning, NLP

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: Java, Python, JavaScript, SQL, TypeScript, R, C, PHP
Frontend: React, Redux, HTML, CSS, UI/UX Design, Drupal CMS, WordPress, Bootstrap
Backend & APIs: Node.js, Flask, RESTful APIs
Databases & Cloud: PostgreSQL, MySQL, MongoDB, Firebase, AWS
Tools & Methods: Git, Android Studio, Figma, Jira, Postman, JUnit, Agile, OOP, Docker, CI/CD

WORK EXPERIENCE

Museum of Science, Boston, MA   May 2025 – Present
Software Engineer Intern – Web Development
- Develop and deploy web features using Drupal CMS, PHP, HTML, CSS, and JavaScript to enhance user engagement and educational content delivery.
- Implement automated regression testing and contribute to system integrations that improve platform reliability and cross-departmental workflows.
- Collaborate with cross-functional teams and maintain detailed documentation to support continuous development and troubleshooting.

IpserLab, Remote   September 2024 – December 2024
Software Engineer Intern – Full Stack
- 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.

CERTIFICATION

AWS Cloud Practitioner Certification   Valid: March 2025 – March 2028

Selected Projects – see next page →

PROJECTS

Science Explorer Drupal Web Portal
Personal Project   March 2025 – April 2025
- Built a custom landing page and module in Drupal CMS and PHP with media-rich layouts, Pantheon deployment, and Google Analytics integration.

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! Mobile Application
Course Project, Northeastern University   January 2023 – April 2023
- Built a goal-tracking app with Android Studio and Firebase.
- Designed and implemented front-end interfaces for user profiles, notifications, and messaging.
- Implemented real-time messaging, user profiles, and friend management features.

RecipeFridge Web Application
Course Project, Northeastern University   October 2022 – December 2022
- Created a recipe search platform with React.js and MongoDB.
- Implemented and tested RESTful Web Services and followed Agile Scrum practices.

Bibliography Parser (NLP/ML)
XN Rising Project, Northeastern University & Pfizer   January 2022 – April 2022
- Co-developed an ensemble ML-based tool for bibliography parsing using regex and NLP techniques.