

Yiqing Zhao

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EDUCATION

Northeastern University <i>Master of Science in Computer Science (GPA: 4.0/4.0)</i> <i>Relevant Courses: Database Management, Mobile Applications(IOS), Cloud Computing(AWS)</i>	Sept 2022 – Present
University College of London <i>Master of Science in Computational Finance (GPA: 3.7/4.0)</i>	Sept 2021 - July 2022
University of Warwick <i>Bachelor of Science (Hons) in Mathematics and Physics (GPA: 3.7/4.0)</i>	Sept 2018 - July 2021

TECHNICAL SKILLS

Programming Languages	Python, Java, JavaScript/TypeScript, Swift, C/C++
Databases	MongoDB, Firebase, MySQL, Amazon RDS
Frameworks and Libraries	Node.js, Spring Boot, Pandas, React, NumPy, Scikit-learn, GraphQL
Machine Learning Tools	RESTful APIs, OpenAI APIs, Langchain, PyTorch

WORK EXPERIENCE

Software Engineer Intern, For Future	Jan 2025 – Present
<ul style="list-style-type: none">Developed a networking and resource-sharing mobile application for entrepreneurs, project creators, and collaborators, enhancing project discovery and engagement.Designed and implemented an interactive swipe card interface using JavaScript, TypeScript, and RESTful APIs, reducing project search time by 20% and improving user focus.Built Group Timeline, Forum, and Chat modules with Java, Spring Boot, React.js, and TypeScript, increasing collaboration activities by 32% and boosting active user retention by 25%.Integrated a GPT-4-powered AI assistant in Python to suggest responses in group chats, driving an 18% increase in user engagement through intelligent interaction support.	
Artificial Intelligence Engineer Intern, Radical AI	May 2024 - August 2024
<ul style="list-style-type: none">Developed an interactive quiz generation application in Streamlit to enhance personalized learning by dynamically generating questions based on user-provided topics.Utilized LangChain for processing user inputs, Google's Vertex AI for advanced language understanding, and Chroma for efficient semantic search, enabling intelligent content adaptation.	
Software Engineer Intern, Kennedys Law LLP, London, UK	April 2022 – August 2022
<ul style="list-style-type: none">Developed and optimized robust software solutions for ESG risk analysis, utilizing Python and advanced data science methodologies, to support decision-making in investments.Developed a sentiment analysis model leveraging NLP and a supervised learning algorithm (e.g., SVM) to assess reputational risk in social media data from platforms like Twitter. Quantified risk levels based on sentiment scoring, enabling more targeted and data-driven risk mitigation strategies.Led the development of a scalable text classification system, utilizing TF-IDF for feature extraction and algorithms like SVM to classify large datasets into Environmental, Social, and Governance (ESG) categories with 85%+ accuracy.Improved data processing efficiency by 40%, ensuring high data integrity and facilitating rapid decision-making based on accurate ESG classification results.	

ACADEMIC PROJECTS

EcoTrade: Goods Trading Marketplace	March 2024 – May 2024
<ul style="list-style-type: none">Created a cloud-based marketplace for second-hand goods using React and Node.js.Implemented advanced search, user interactions (chat, follow, purchases) via RESTful APIs.Deployed on AWS with EC2 and S3, and used Docker for scalable deployment.Conducted testing with Jest, Supertest, and Cypress to ensure performance and reliability.	
Full-Stack iOS Application Social Networking App	Sept 2024 – December 2024
<ul style="list-style-type: none">Developed an iOS app with Swift, enabling up to 10,000 users to share posts, and real-time conversation.Implemented Firebase for user authentication, real-time updates, and cloud data storage.Delivered a responsive and efficient application, demonstrating expertise in full-stack development and teamwork.	