Qifeng Huang

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Education

Northeastern University, Seattle, WA   MS Computer Sciences   Jan 2023 – May 2025
- **GPA: 4.0/4.0**
- Coursework: Graduate Computer Science, Object-Oriented Design, Software Engineering, Networking, Data Structures and Algorithms, Discrete Math, Web Development etc.

University of Iowa, Iowa City, IA   BA Exercise Sciences   Aug 2016 – May 2020

PROFESSIONAL EXPERIENCE

Teaching Assistant, Northeastern University   Sept 2023 – Dec 2023
- Conducted group sessions and workshops to assist 59 students in understanding **Python** programming concepts and completing assignments
- Provided one-on-one assistance to students during office hours to address questions and clarify concepts
- Established expertise in problem-solving and debugging, aiding students in their programming projects
- Facilitated open communication between students, professors, and teaching assistants, creating an inclusive learning environment

PROJECTS

WordPress App   **AWS Project**
- Deployed and hosted a highly-available WordPress Application using **EC2**, **RDS**, **Route 53**, **ASG** and **VPC**
- Developed a robust Three-Tier AWS Network VPC from scratch, ensuring optimal network segmentation and security protocols
- Configured Nat Gateways, Security Groups, and an Elastic File System (**EFS**) to facilitate seamless data transfer and storage within the AWS environment
- Implemented an **Application Load Balancer** to evenly distribute incoming traffic and enhance the scalability and fault tolerance of the WordPress site

MERN Stack App   **Northeastern University**
- Designed and developed a highly scalable MERN Stack project for a startup, incorporating **React**, **NextJS**, **Node Express**, **MongoDB**, and **AWS** services to enable potential growth to millions of users
- Enhanced security with advanced authentication, resulting in a significant reduction in vulnerabilities, and implemented efficient email services using AWS SES
- Improved data storage and retrieval efficiency through **AWS S3** for infinite file storage and AWS EC2 for hosting, ensuring cost-effectiveness and reliable data access
- Created a simple and scalable project architecture, separating the backend API and frontend using React/NextJS, making development and maintenance straightforward and cost-effective, enabling continuous growth

E-Commerce Website   **Northeastern University**
- Developed a full E-commerce website with **Angular** and **Spring Boot**, demonstrating full-stack expertise, resulting in a functional, user-friendly platform
- Enhanced application security with **JWT**, **OAuth2**, **OpenID Connect**, and **SSL/TLS**, ensuring user data safety and a secure user experience
- Optimized **MySQL** with advanced indexing for improved data retrieval and storage efficiency, and integrated **REST APIs** for seamless data interaction, leading to significantly enhanced performance

SKILLS

- **Language**: Java, Python, C, C++, C#, JavaScript, HTML
- **Technical Skills**: Git, GitHub, Spring Boot, React, NextJS, MongoDB, MySQL, AWS, SSL/TLS, Deep Learning, OOD, Maven, REST APIs, Unity, Azure, Linux/Unix