

Huizhirong (Jason) Guo

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Education

Northeastern University	Sep 2024 - June 2026 (Expected)
Master of Science in Computer Science, GPA: 4.0/4.0	Oakland, CA
Santa Clara University	Sep 2020 - June 2024
Bachelor of Science in Computer Science and Mathematics	Santa Clara

Skills

- **Languages:** Python, JavaScript, TypeScript, C#, C++, Java
- **Frameworks:** Node.js, React, Django, Spring
- **Database:** MySQL, MongoDB, PostgreSQL
- **Tools:** Git, Docker, Cursor, AWS, Azure, Firebase

Work Experience

Software Engineer Intern, China Shipbuilding Orlando Wuxi Software Technology Co., Ltd.	Jun 2024 - Sep 2024
<ul style="list-style-type: none">• Developed a C++ data extraction system to convert high-resolution simulation data from HDF5 to ODB format, enabling seamless data compatibility for engineering analysis and integration across multiple simulation platforms used in structural testing.• Utilized Boost libraries to optimize memory management and increase processing efficiency, ensuring stable performance and reliable handling of large-scale, time-series data throughout the data conversion process.• Employed Matplotlib C++ bindings to generate detailed time-displacement graphs, visualizing the relationship between wave impact forces and displacement over time, supporting precise reporting and time-based structural analysis.	
Fullstack Intern, National Supercomputing Center in Wuxi	Jun 2023 - Aug 2023
<ul style="list-style-type: none">• Developed a responsive website using Angular and TypeScript with modular components for consistent UI/UX and high performance across devices, enhancing user engagement and accessibility.• Engineered a secure backend in C# with ASP.NET Core, enabling user authentication, visitor tracking, and real-time notifications using SignalR for dynamic user experiences. Integrated Azure Cognitive Search for high-performance full-text search, optimizing query processing and indexing to provide relevant information efficiently.• Implemented automated email notifications with C# SMTP Client, reducing manual follow-ups by 50% and ensuring timely updates on form submissions. Enabled multi-language support with ASP.NET Core Localization, dynamically delivering language-specific content based on user locale to enhance global reach.	

Projects

E-commerce Platform Fullstack, Python, Django, SQLite, Bootstrap	Nov 2024 - Feb 2025
<ul style="list-style-type: none">• Engineered a dynamic e-commerce platform using Django and Django REST Framework with secure JWT authentication, real-time data handling using AJAX, and integrated Stripe payment gateways.• Designed efficient SQLite data models with Django ORM to manage complex relationships among users, products, and orders, optimizing database indexing and query performance for enhanced scalability.• Developed responsive user interfaces with HTML, CSS (Bootstrap), and JavaScript (jQuery), delivering seamless navigation, AJAX-based real-time updates, and enhanced user experience across devices.	
Makeform.ai Fullstack, Typescript, React, Next.js, Nextra, PostgreSQL, Cursor	Feb 2025 - Present
<ul style="list-style-type: none">• Leveraged Cursor as an AI-assisted coding tool to efficiently build makeform.ai, an innovative platform that empowers users to easily design and deploy dynamic online forms using AI, enhancing productivity and user engagement.• Developed responsive user interfaces with React and Next.js, ensuring intuitive UX/UI across various devices.• Authored comprehensive Help Center documentation using Nextra and MDX within the Next.js framework, enhancing user support resources and facilitating easy content updates.	