

# 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"><li>• Developed a <b>C++</b> data extraction system to convert high-resolution simulation data from <b>HDF5</b> to <b>ODB format</b>, enabling seamless data compatibility for engineering analysis and integration across multiple simulation platforms used in structural testing.</li><li>• Utilized <b>Boost</b> 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.</li><li>• Employed <b>Matplotlib</b> 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.</li></ul>	
Fullstack Intern, National Supercomputing Center in Wuxi	Jun 2023 - Aug 2024
<ul style="list-style-type: none"><li>• Developed a responsive website using <b>Angular</b> and <b>TypeScript</b> with modular components for consistent UI/UX and high performance across devices, enhancing user engagement and accessibility.</li><li>• Engineered a secure backend in <b>C# with ASP.NET Core</b>, enabling user authentication, visitor tracking, and real-time notifications using <b>SignalR</b> for dynamic user experiences. Integrated <b>Azure Cognitive Search</b> for high-performance full-text search, optimizing query processing and indexing to provide relevant information efficiently.</li><li>• Implemented automated email notifications with <b>C# SMTP Client</b>, 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.</li></ul>	

## Projects

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