Huan Song

Lexington, KY

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(405) 334-8797

Web Developer

- Web developer with a background in biotechnology imaging, combining analytical expertise with creative problem-solving
- Committed to delivering technically sound and visually engaging web experiences that balance functionality and aesthetics

Technical Skills

- TypeScript, JavaScript
- React, Next.js, Node.js
- HTML, CSS
- Git, REST APIs

Professional Skills

- Strong work ethic and accountability
- Analytical problem-solving
- Cross-functional collaboration
- Adaptability in dynamic environments

Project

Hello Universe

- github.com/huansong1214/hello-universe
- Built with Next.js, React, and TypeScript to deliver interactive astronomy visualizations and curated content
- Utilizes public NASA APIs to provide up-to-date space imagery and Mars rover data
- Designed to make open scientific data engaging and accessible to users of all backgrounds

Education

Code:You, Louisville, KY

Web Development Pathway

Pierre and Marie Curie University, Paris, France (now Sorbonne University)

Master of Science, Molecular and Cellular Biology

Sorbonne Nouvelle University, Paris, France

Diploma of French Language

Harbin Institute of Technology, Harbin, China

Bachelor of Science, Biotechnology

Experience

Kentucky Association for Academic Competition (KAAC), Frankfort, KY

Volunteer Future Problem Solving Evaluator   Certified 2022-Present
- Guide students through the program's structured problem-solving process and support their preparation for academic competitions
- Assess student booklets and deliver constructive feedback to strengthen analytical and critical thinking skills

Volunteer Quick Recall Official   Certified 2022-Present
- Serve as Quick Recall scorekeeper for district, regional, and state competitions

University of Kentucky Markey Cancer Center, Lexington, KY

Visiting Scholar   2016-2019
- Contributed to five publications applying immunofluorescence in lung cancer research
- Managed and coordinated maintenance of confocal microscopes
- Provided technical support to team members for confocal microscopy usage

Research Technician Senior   2015-2016
- Communicated and coordinated with shared resource facilities and the surgical pathology division to support project goals
- Automated image analysis using ImageJ, streamlining data processing and improving analytical efficiency
- Optimized immunofluorescence protocols, significantly enhancing signal detection and overall imaging quality