Huan Song

Lexington, KY

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https://www.linkedin.com/in/huansong

https://github.com/huansong1214

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

SKILLS

- JavaScript
- HTML
- CSS
- Work ethic
- Problem-solving

PROJECTS

Pong

- https://github.com/huansong1214/tennjs-v2
- Recreated the classic *Pong* game using JavaScript
- Utilized the Canvas API and implemented object-oriented design principles with classes

Song

- https://github.com/huansong1214/song
- Coded a song using JavaScript
- Integrated the Web Audio API and Tone.js for sound generation and control

Visualizing Data from the GitHub Search API

- https://github.com/huansong1214/frequency
- Created an interactive data visualization using live GitHub Search API data
- Utilized SVG and D3.js for dynamic chart rendering

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