

Yuhua (*Bill*) Chen

I turn capability gaps into trainable, verifiable systems.

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CURRENT FOCUS

I am an Applied Scientist at Amazon AGI, working on frontier-model post-training. My work spans reasoning environments, verifiers, curriculum, rollout systems, reinforcement learning, and evaluation.

EXPERIENCE

2025 – PRESENT

Applied Scientist · Amazon AGI

Frontier-model post-training across reasoning environments, verifiers, curriculum, rollout systems, reinforcement learning, and evaluation.

2021 – APR 2025

ML Engineer → Staff ML Engineer & AI Research Lead · Q.bio

At Q.bio, I deployed 3D AI systems inside an autonomous MRI scanner, including components with sub-second inference for real-time localization and imaging decisions.

2016 – 2021

Ph.D. Research · UCLA

3D medical imaging, MRI reconstruction, super-resolution, and segmentation.

RESEARCH

My earlier work in 3D MRI reconstruction, super-resolution, and segmentation has been cited more than 1,000 times.

Earlier research includes peer-reviewed work at MICCAI, ISBI, Medical Physics, and WACV.

PATENT APPLICATIONS

I am a co-inventor on patent applications covering deep-learning MRI reconstruction and calcium-free CT angiography.

EDUCATION

Ph.D. in Bioengineering from UCLA; M.S. degrees in Computer & Information Technology and Bioengineering from the University of Pennsylvania.