



Junyan He

Senior Application Engineer

“As a member of Ansys, I am proud to contribute to the democratization of modeling and simulation.”

BIO

Junyan started his career as an application engineer. He has worked with nonlinear FEA for over 5 years. His work included crystal plasticity, multi-scale simulations and topology optimization. Junyan’s expertise is in Non-linear FEA, Crystal Plasticity, and Scripting.

GOALS

- Improve customer workflow efficiency through scripting and automation
- Self-learning and improvement through customer engagement

Ansys EXPERIENCE

As an application engineer, Junyan helped customers improve the efficiency of their simulation workflows via scripting and automation. He also developed numerous proof-of-concept models for customers showcasing new capabilities.

SPECIALTIES

- Non-Linear FEA
- Scripting and Automation
- PyAnsys
- Crystal Plasticity
- Multi-scale Analysis

RESEARCH INTERESTS

- Crystal Plasticity
- Topology optimization
- Machine Learning

PROFESSIONAL

EDUCATION

Doctorate in Mechanical Engineering, University of Illinois, Urbana-Champaign

Masters, Bachelors in Mechanical Engineering, University of Utah

PERSONAL

INTERESTS

STEM, Lego, 3D printing

LANGUAGES

English, Cantonese, Mandarin

COMPETENCIES

SIMULATION



ENGINEERING



LEADERSHIP



Ansys PHYSICS

