Evan Hong

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EDUCATION

Bachelor of Science-Nuclear Engineering Expected May 2027
North Carolina State University, Raleigh NC GPA: 3.69

Relevant Courses: Engr. Statics, Differential Equations, Intro to Computing: MATLAB, Nuclear Reactor Operations & Training, Intro to Nuclear Engineering, Physics II, Intro to R/Python for Data Science, Multivariable Calculus

SKILLS

Computational: MATLAB, Python, R, Fusion 360, Microsoft Office Suite, and Google Programs

RESEARCH and PROJECTS

Undergraduate Research Experience in Nuclear Engineering Sept 2024 - Present
North Carolina State University, Raleigh NC

- **Research summary:** I am part of Dr. Xu Wu's Artificial Intelligence for Simulation of Advanced Nuclear Systems (ARTISANS) research team conducting research in uncertainty quantification (UQ) and scientific machine learning (SciML) to enhance predictive capabilities of computer models, pertaining to nuclear systems
- Learning foundational knowledge in Python programming

First Year Engineering Design Day Project Jan 2024 - April 2024
North Carolina State University, Raleigh NC

- Collaborated with a team on the Collapsible Bridge Design Project to research, design, draft in Fusion 360, and construct a bridge capable of supporting a 40 lb load
- Ensured the bridge could collapse into a 1 ft cubic box, assembled within 60 seconds, span a 5 ft gap, and meet a $40 budget.

EXPERIENCE

Assembly Associate May 2024 - Aug 2024
40 hours/week
T&S Brass and Bronze Works, Travelers Rest SC

- Assembled faucet components based on design drawings, ensuring precision and quality
- Operated testing machines to verify leak-free functionality of assembled faucet bodies
- Packaged fully constructed faucets, including base, nozzles, and hoses, as part of a team
- Maintain attention to detail, adhered to safety protocols, and collaborated with team members to meet production targets

EXTRACURRICULAR ACTIVITIES

Member, American Nuclear Society Aug 2023 - Present
North Carolina State University, Raleigh NC