

Personal Statement

I am a Vanderbilt University School of Engineering graduate, holding a degree in mechanical engineering with a minor in computer engineering. I am currently contributing to the generation of nuclear power through my work at Framatome Inc., where I use a wide suite of simulation and development tools to perform safety-related ASME Code qualifications for the fatigue and fracture life of nuclear-grade materials.

This role has offered me the opportunity to develop a highly analytical problem solving toolset, grounded in strong foundations of mechanics and properties of real materials. As I take my first steps into an engineering career, I hope to build upon my experiences contributing to the nuclear industry thus far, in continuing to further environmentalism, the development of heavy industry, and the realization of our human capabilities over the physical world.

Evidence of Excellence

Technical / Professional

- Framatome CORE Award for novel implementation of neural networks in probabilistic “acceptable bolt-pattern analysis” (ABPA).
- Registered Engineer-in-Training (EIT), Commonwealth of Virginia.
- Consistently positive performance reviews and on-time/on-budget project schedules.
- Recognition in various engineering design challenges during undergraduate studies.

Academic

- Graduated Vanderbilt University in 7 semesters with a minor and latin honors.
- Valedictorian, Franklin High School (Class of 2020).
- Top 1% standardized test scores: GRE (165 V, 170 Q), ACT (36), SAT (1570), National Merit Finalist

Leadership / Community

- Vanderbilt chess club president. Led first school appearance at Pan Ams (International)
- Long-term volunteer with Habitat for Humanity, tutoring programs, and local makerspace
 - supporting students and community engineering projects.
- Eagle Scout