



Edward Deleu

Ph.D. Student in Materials Science and Engineering, admitted Summer 2026

Bio

HONORS AND AWARDS

- Graduate Research Fellowship Program (GRFP) Fellow, National Science Foundation (NSF) (September 2026 –)
- Outstanding Materials Student Award, Princeton University Department of Materials Science and Engineering (May 2026)
- Lore von Jaskowsky Memorial Prize, Princeton University School of Engineering and Applied Science (May 2026)
- Charles Ira Young Memorial Tablet & Medal, Princeton University Department of Electrical and Computer Engineering (May 2026)
- Peter Mark Prize, Princeton University Department of Electrical and Computer Engineering (May 2026)
- Undergraduate Presentation Award sponsored by SIEMENS, Princeton University Andlinger Center for Energy and the Environment (October 2023)
- Shapiro Prize for Academic Excellence, Princeton University (2023 – 2024)
- Manfred Pyka Memorial Prize in Physics, Princeton University Department of Physics (June 2023)

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Associate Member, Sigma Xi: The Scientific Research Honor Society (2026 - present)
- Member, Phi Beta Kappa Society (2026 - present)
- Member, Tau Beta Pi Engineering Honor Society (2024 - present)

EDUCATION AND CERTIFICATIONS

- Bachelors of Science (BSE), Princeton University , Electrical & Computer Engineering (2026)

LINKS

- LinkedIn: <https://www.linkedin.com/in/edeleu/>

Publications

PUBLICATIONS

- **Multi-Material Power Magnetics Modeling with a Modular and Scalable Machine Learning Framework**
Deleu, E., Li, H., Li, J., Lee, W., Guillod, T., Sullivan, C. R., Wang, S., Chen, M., IEEE
IEEE.2024: 370-377
- **Investigating the Mutual Impact of Waveform, Temperature, and Dc-Bias on Magnetic Core Loss using Neural Network Models**
Li, J., Deleu, E., Lee, W., Li, H., Chen, M., Wang, S., IEEE
IEEE.2024: 391-395