

Stanford



Audrey McManemin

Ph.D. Student in Energy Science and Engineering, admitted Spring 2025

Bio

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Audrey is pursuing a master's degree in Energy Science & Engineering and is expecting to graduate in Spring 2025. She holds a B.S.E in Mechanical Engineering from Duke University and has previously worked in data engineering. Her research at Stanford focuses on evaluating methane detection and quantification technologies currently used in both commercial and academic applications.

HONORS AND AWARDS

- Frank G. Miller Fellowship Award for High Academic Achievement, Department of Energy Science & Engineering, Stanford University (May 2024)
- Walter J. Seeley Scholastic Award, Pratt School of Engineering, Duke University (May 2021)
- Mechanical Engineering & Material Science Faculty Award, Pratt School of Engineering, Duke University (May 2021)

EDUCATION AND CERTIFICATIONS

- B.S.E, Duke University , Mechanical Engineering (2021)

Publications

PUBLICATIONS

- **Quantifying CH₄ point source emissions with airborne remote sensing: first results from AVIRIS-4 ATMOSPHERIC MEASUREMENT TECHNIQUES**
Meier, S., Vogtli, M., Hueni, A., McManemin, A., Brandt, A. R., Juery, C., Blandin, V., Brunner, D., Kuhlmann, G.
2026; 19 (1): 333-358