



Spencer Carlton Barnes

- Ph.D. Student in Mechanical Engineering, admitted Autumn 2022
- Masters Student in Mechanical Engineering, admitted Spring 2024

Bio

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I am currently a Mechanical Engineering graduate student at Stanford University pursuing a PhD. At the university, I work as a research assistant in the high-temperature gas dynamics laboratory. My current work involves novel concepts in laser spectroscopy. I pride myself in being self-motivated, detail oriented, and a team player.

Publications

PUBLICATIONS

- **Multi-speciation and ignition delay time measurements of ammonia oxidation behind reflected shock waves** *COMBUSTION AND FLAME*
Rault, T. M., Clees, S., Figueroa-Labastida, M., Barnes, S. C., Ferris, A. M., Obrecht, N., Callu, C., Hanson, R. K.
2024; 260