

Stanford



Ashton Pihl

Ph.D. Student in Civil and Environmental Engineering, admitted Summer 2025

Bio

BIO

I am a first-year PhD Student in the Baker Coastal Lab researching surf-zone circulation generated by short-crested breaking waves. I am interested in studying the along-crest variability in energy dissipation, the unsteady structure associated with injected vertical and horizontal vorticity, and the evolution of vertical vorticity structures linked to the shoreward propagation of bores using laboratory experimental methods and theoretical analysis.

HONORS AND AWARDS

- Graduate Research Fellowship Program, National Science Foundation (04/12/2026)

EDUCATION AND CERTIFICATIONS

- BS, Cornell University , Environmental Engineering (2025)

Research & Scholarship

LAB AFFILIATIONS

- Christine Baker, Baker Coastal Lab (6/23/2025)