

About Me

My name is Sara Nasab, and I'm a Senior Systems Engineer at the Johns Hopkins University Applied Physics Lab. I grew up in Tennessee, where I discovered I wasn't a fan of country music, but developed a love for moon pies and Dolly Parton instead. Maybe because of this, I decided to move all the way to California to study Applied Mathematics at UC Santa Cruz. After six (fun!) years, I earned my PhD and now live in Baltimore.

Fun Fact: I have a passion for the Spanish language, which led me to major in it during undergrad, even though my graduate degrees were both in Math. I've been lucky enough to visit Spain and Argentina in the last two years. I count these as small steps in fulfilling my dream of living in a Spanish-speaking country one day. I'm also known for making [alfajores de maicena](#)!



Buenos Aires, March 2025

Projects

Module 1: Creating a Web Application with Flask

This project shows how to create a simple web application in Python using the Flask framework. It includes several pages, custom CSS for styling, and uses Flask Blueprints for organization.

- [View on GitHub](#) - (Note that this repo is private, so only collaborators have access to it)

Published Academic Works

If you're interested in exploring the fluid dynamics research I did during my PhD, feel free to check out the links below.

Selected Papers

- [Preferential concentration in the particle-induced convective instability \(2020\)](#)
- [Preferential concentration by mechanically driven turbulence in the two-fluid formalism \(2021\)](#)

Dissertation

- [Preferential concentration of heavy inertial particles using the two-fluid equations \(2021\)](#)

Contact Page

Feel free to reach out to me through email or connect with me on LinkedIn.

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