

# Jasmin Lim

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## EDUCATION

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<b>PhD</b>	<b>University of Michigan</b> , Aerospace Engineering and Scientific Computing GPA: 4.00/4.00 Advisor: Karthik Duraisamy	May 2025
<b>MS</b>	<b>University of Michigan</b> , Aerospace Engineering GPA: 3.97/4.00	Dec 2022
<b>BS</b>	<b>The University of Texas at Austin</b> , Computational Engineering Graduated with Honors, GPA: 3.83/4.00 Certificate in Computer Science	May 2020

## EXPERIENCE

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<b>University of Michigan</b> , Ann Arbor, MI <i>Graduate Student Research Assistant</i> , Department of Aerospace Engineering Develop multi-fidelity surrogate modeling frameworks for digital twin applications. Employ optimization and Bayesian inference methods for online dynamical system state-parameter estimation, parameter calibration and uncertainty quantification. Application is a nuclear reactor digital twin.	Aug 2020 - Present
<b>The University of Texas</b> , Austin, TX <i>Undergraduate Researcher, Oden Institute</i> Utilization of data from direct numerical simulation of a turbulent parallel wall bounded flow for analysis of fluid flow velocity in relation to the distance from the wall.	Aug 2019 – Dec 2019
<b>ANSYS</b> , Austin, TX <i>Electronics Software R&amp;D Intern</i> Delivered python toolkit scripts to create various models of Integrated Circuit Packages and Datacenter Components for Icepak in ANSYS Electronics Desktop (AEDT). Wrote python SikuliX script to automate testing of ANSYS Icepak GUI.	May 2019 – Aug 2019

## SKILLS

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**Proficient in:** Python, MATLAB, C++, TensorFlow, Linux, Microsoft Office, LaTeX  
**Experience with:** C, Julia, Fortran

## PRESENTATIONS

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<b>AAAI-23</b> , Washington, D.C. W4: AI for Energy Innovation <i>Reactor dynamics surrogate models for digital twin – A case for ARIMAX models and a case against LSTMs</i>	February 2023
<b>ECCOMAS Congress</b> , Oslo, Norway <i>Hybrid physics-based, data-driven surrogate modeling for digital twins</i>	June 2022

## LEADERSHIP

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**President**, Aerospace Graduate Student Advisory Committee (University of Michigan)  
**Member**, Gender Minorities in Aerospace (University of Michigan)  
**Member Development Advisor**, Beta Eta Chapter of Alpha Delta Pi  
**Yoga Instructor**, Red Yoga Ann Arbor