Fully-funded PhD position
Computational Design Lab
cdl.engr.uconn.edu

Email your CV, transcripts, and best paper(s).
Subject line: "SPI2-F PhD" · horea.ilies@uconn.edu

HOREA ILIES
UNIVERSITY OF CONNECTICUT

Make 3D design differentiable.

We're formulating 3D packing, interconnect routing, and multiphysics feasibility as one differentiable optimization problem, and then building a framework that solves it at realistic scale.



What I'm looking for

Mathematical maturity
Optimization, linear algebra, numerical methods.

Critical thinking
Ask the right questions, choose a strategy, defend it.

Programming fluency
Python, PyTorch or JAX; C++ and GPU work a plus.

Research track record
Real contributions; an MS with a paper or two, preferred.

Supported by the NSF Engineering Design and Systems Engineering program.