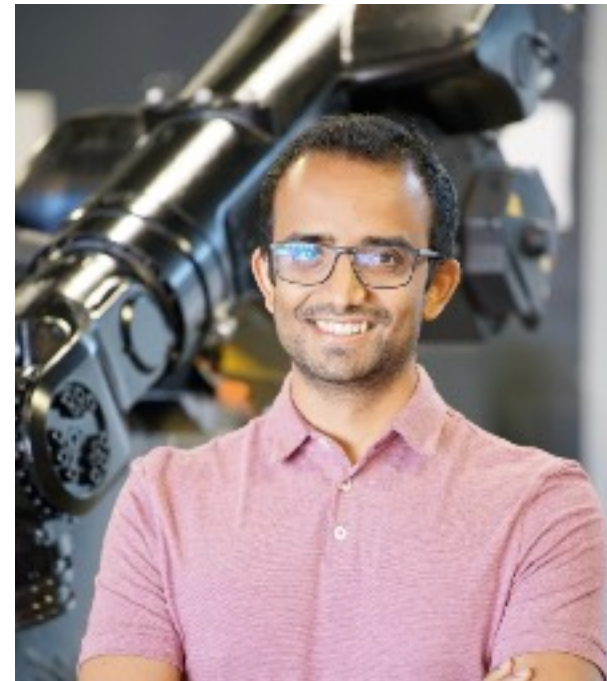# CAD Informed Adaptive Robotic Assembly

Team : Heather Kerrick, Yotto Koga, Shrinath Deshpande
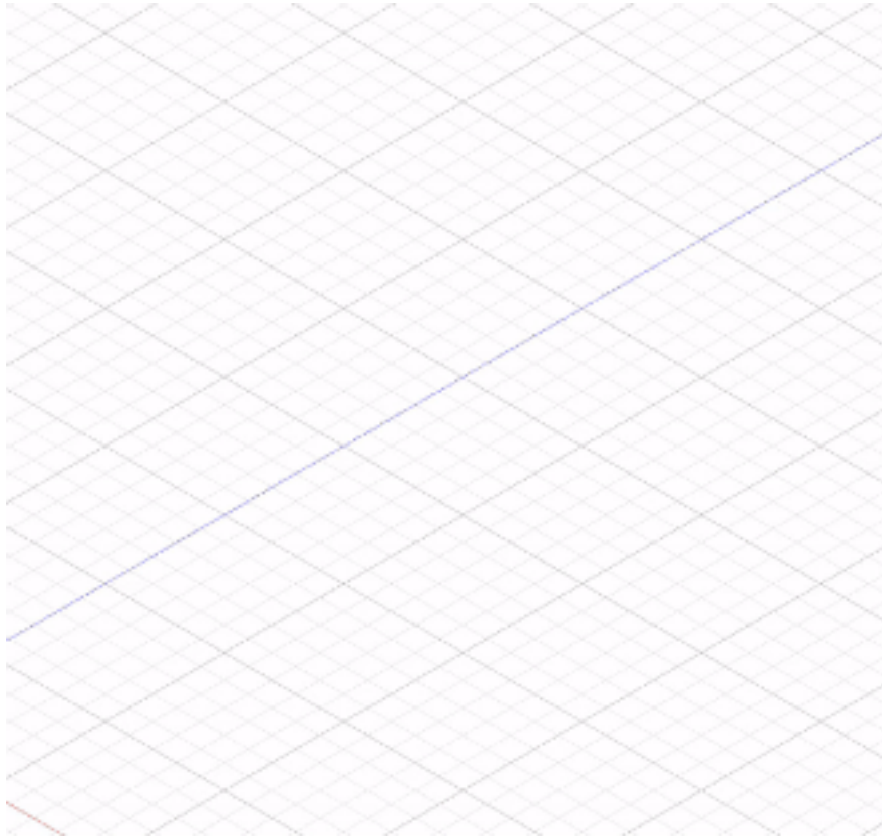
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CAD Innovation Lab,
Stony Brook University,
Stony Brook, NY

Research Intern,
Autodesk Robotics Lab, Pier 9, SF
Manager: Heather Kerrick

CAD Assembly has

- Geometry of parts
- Location and Orientation in assembled state

Robotic Assembly Needs

- Motion Plan for Each Part
- Robot Code that executes the plan

CAD Driven Robotic Assembly

Adaptive Robot Code Generation From CAD

AUTODESK.
RESEARCH