

Digital Archaeology @ Brown

SHAPE
lab

*SHape,
Archaeology,
Photogrammetry,
Entropy*

SHARP
project

*SHape processes for
Architectural and
Archaeological 3d
Reconstructions at
Petra*

*Great Temple
Other buildings
Roads, etc.
Trenches
Topography
...
Architectural and
Archaeological CAD & GIS*

STITCH
project

*Shape
STitching via
Interactive
Transactions between
Computers and
Humans*

*3D puzzles
Sherds, Statues, Skeletons,
Facades
...
Applied differential geometry
Machine learning
Mixed initiatives*

STYLE
project

*Shape
TopographY and
Linguistic
Elements*

*Surface: Implicit Polynomials
Curve: Ridges
Symmetry/ volume: Medial axes
Glue: Hypergraph, Syntax,
Grammar
...
Mathematical models for
free-form shapes*

ARCHAVE
project

*ARCHAeology in
Virtual
Environments*

*GIS in a CAVE
Workbench
Desktop
Virtual Room
...
Interface studies*

MIRAGE
project

*Multiple
"Image"
Reconstruction for
Archaeology,
Architecture and
Geometric
re-Engineering*

*Images
Video
Laser scans
Maps, plans
...
Photogrammetry
Photometry
Bayesian modeling*