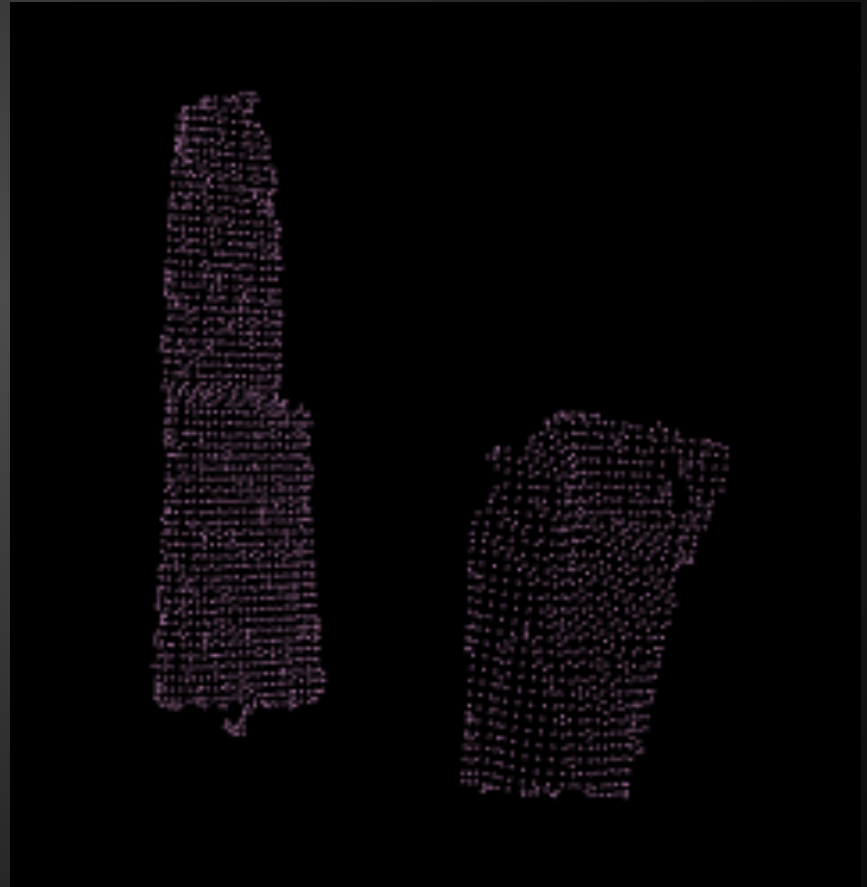# 3D OBJECT RECONSTRUCTION

USING MICROSOFT KINECT

PIPELINE

1. Acquiring Input Data
2. Pre-Processing
3. Segmentation
4. Feature Estimation
5. Registration
6. Post-Processing
7. Visualization and Object Reconstruction
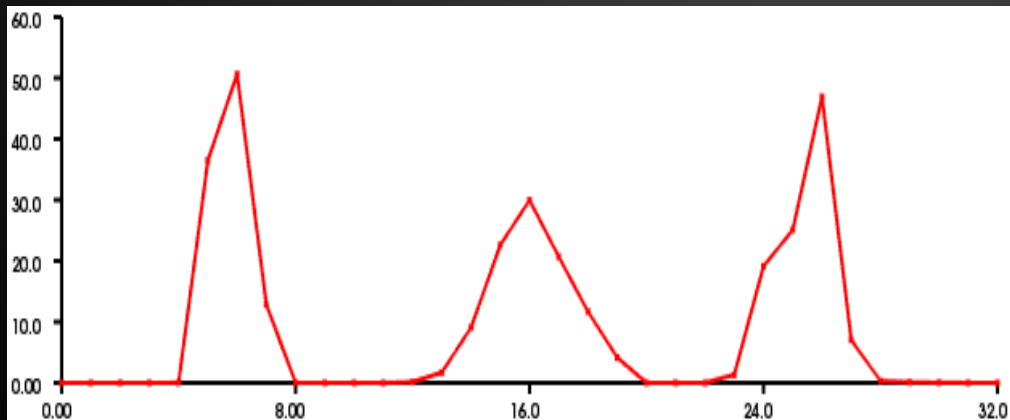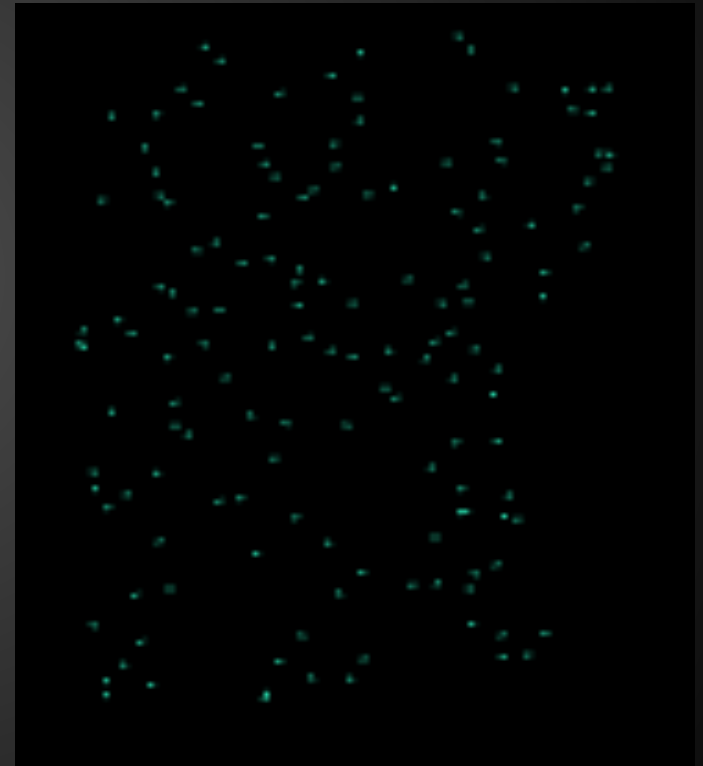
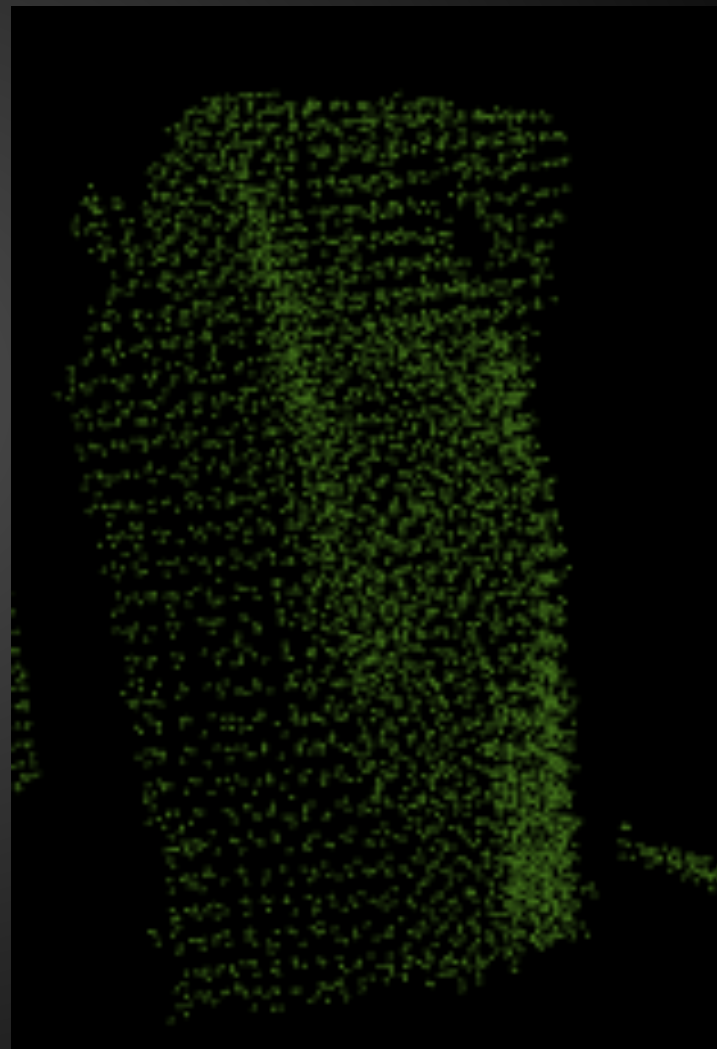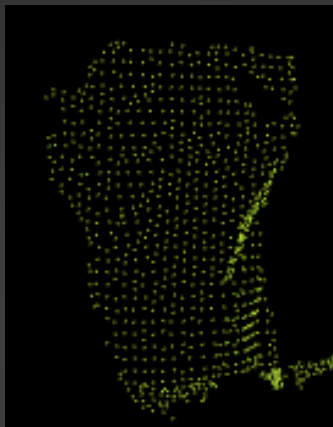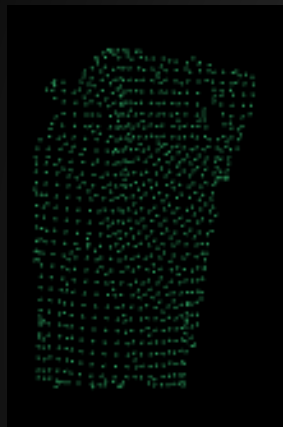# STAGE 1: ACQUIRING INPUT DATA

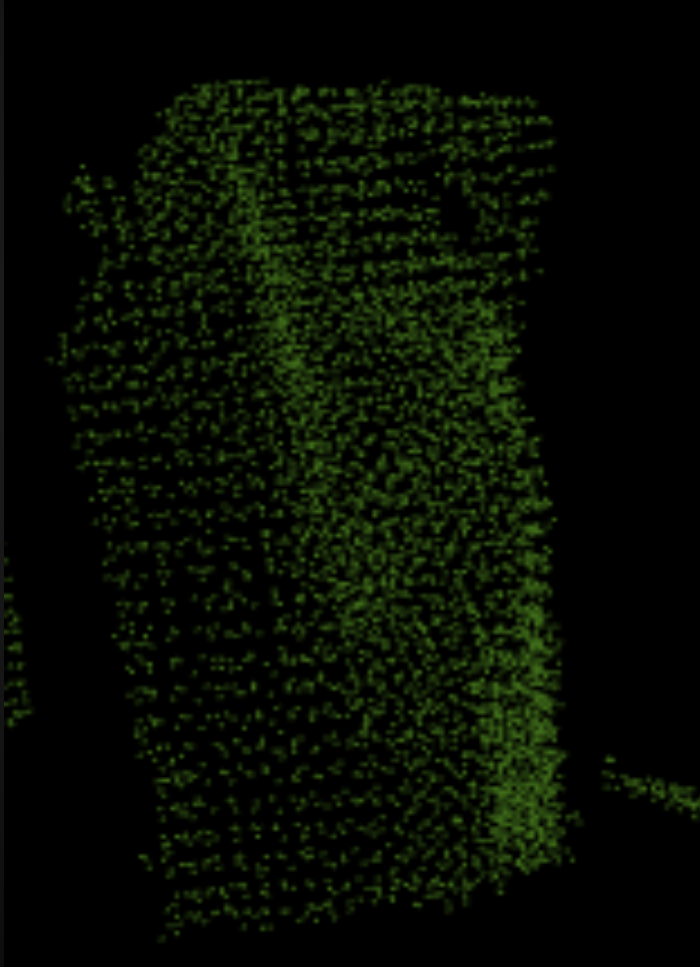# STAGE 2: PRE-PROCESSING

STAGE 3: SEGMENTATION

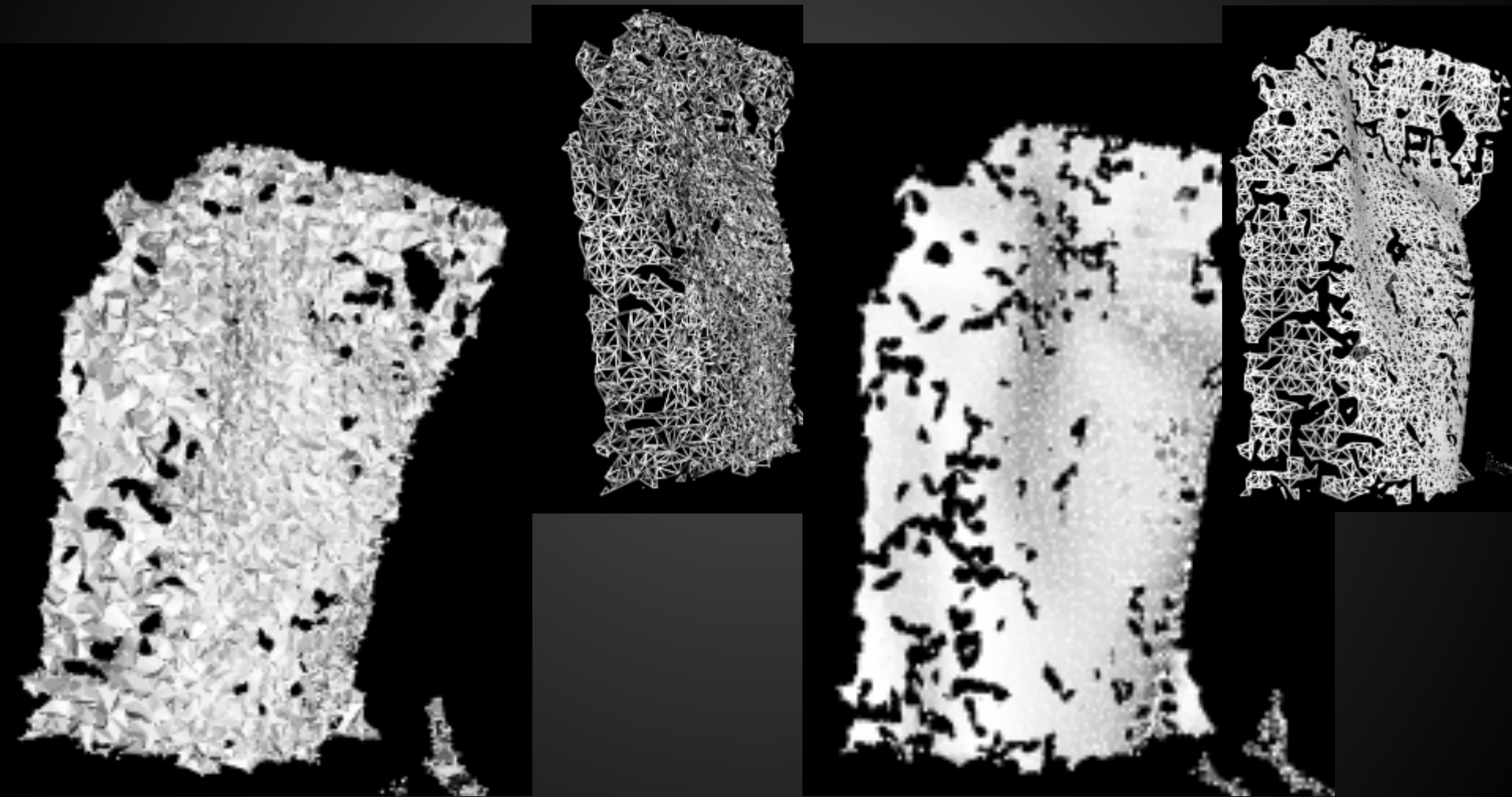# STAGE 4: FEATURE ESTIMATION

STAGE 5: REGISTRATION

STAGE 6: POST-PROCESSING

STAGE 7: VISUALIZATION AND OBJECT RECONSTRUCTION

FUTURE WORK

- Reconstruction Studio
- Fine Tuning Parameters
- Mobile/Web App
- 3D Printing
- Video-Based 3D Reconstruction
- Process Automation
- RGB Reconstruction