

Sophia Pomatto

Technical Artist | Photogrammetry & 3D Digitization

Stafford, VA 22554 | sophia.pomatto@gmail.com | sophiapomatto.com

EDUCATION

Virginia Tech

B.F.A Creative Technologies

Relevant Coursework: 3D Modeling, Laser Scanning and Photogrammetry, Soft Modeling, Computer Animation, Game Design, Video Editing, Fine Arts

WORK EXPERIENCE / PROJECTS

Virginia Tech

Blacksburg, VA

3D Artist with the Digital Libraries and Preservation (DLP) 3D Digitization Lab (hourly):

Nov 2024 - May 2026

- Digitized scientific specimens, historical items, and artwork using photogrammetry and Gaussian splatting
- Captured images with DSLR Cameras, and adjusted in Adobe Bridge for accurate exposure and white balance
- Processed data in Agisoft Metashape, including image masking and alignment, point cloud generation, mesh reconstruction, and decimation
- Cleaned and baked photogrammetry textures in Substance Painter, adjusting roughness and normal maps to produce PBR-ready material outputs

3D Artist with Applied Research in Immersive Experiences and Simulations (ARIES) Lab (hourly):

Oct 2023 - Dec 2024

- Modeled, UV-mapped, and textured 3D assets using Blender, Maya, and Substance Painter
- Collaborated with other artists, developers, and faculty researchers to meet technical, aesthetic, and performance requirements for projects
- Collected 3D reference data using GeoSLAM scanners and Insta360 cameras

Research Assistant, Civil War AR Project (hourly):

May 2024 - August 2024

- Created historically accurate 3D models for an augmented reality educational experience at Pamplin Historical Park in Petersburg, VA
- Conducted research using archival references to ensure accuracy of period-specific kitchenware, tools, food items, and domestic objects

Student Leader / Resident Advisor (hourly):

Sep 2023 - May 2024

- Oversaw the well-being of 179 first-year residents, enforced housing policies while supporting academic and personal development
- Planned and executed community-building programs on topics such as safety, campus resources, and conflict resolution
- Responded to many high-pressure situations, demonstrated crisis management and leadership skills

Stafford County Parks and Recreation

Recreation Leader III (hourly):

May 2023 - Aug 2023

- Supervised daily operations for a youth summer camp, managed staff, schedules, safety procedures, and parent communication
- Ensured the safety, supervision, and entertainment of children aged 5–8 in a summer camp environment
- Designed weekly camp themes and led activity planning, coordinated crafts, events, and outdoor programs

Recreation Leader II (hourly):

May 2022 - Aug 2022

- Ensured the safety, supervision, and entertainment of children aged 9-11 in a summer camp environment
- Aided with designing weekly camp themes, activities, and events

ACTIVITIES / SKILLS / INTERESTS

Virginia Tech

Jan 2023 - May 2026

School of Visual Arts Volunteer Student Ambassador

- Greeted and provided information for prospective, new, and current art students
- Lead tours for individuals wishing to learn more about the college

Technical Skills: Agisoft Metashape, PostShot, Autodesk Maya, Blender, ZBrush, Adobe Substance 3D Painter, Stager, Bridge, Photoshop, Premiere Pro

Professional Skills: Creative, organized, adaptable, detail-oriented, efficient, communicates effectively, team player, independent worker

Interests: Photogrammetry, 3D environment design, animation and simulations, laser scanning, natural history, video games, gardening, baking