



**DJS**  
a s s o c i a t e s

Forensic Consulting, Technology & Animations

## **JONATHAN W. ADAMS**

Director of 3D Reality Capture

### **EXPERT AREAS**

3D Laser Scanning: Planning, Collection, Processing, Deliverables

Unmanned Aircraft Systems (UAS): Planning, Regulations, Operations, Processing, Deliverables

### **CERTIFICATIONS**

Pix4D Certified User

Licensed Remote Pilot, Small Unmanned Aircraft System (Drone)

FARO Focus 3D Scanner Certification

3ds Max 2012 Certified Associate

3ds Max 2012 Certified Professional Models to Motion

3ds Max 2012 Certified Professional Surface and Look Development

3D Photogrammetry and 3DFlow Zephyr Software Certified

### **EDUCATION**

Elmhurst University Elmhurst, IL

Geographic Information Systems (GIS) Certificate Program, August 2020

The Center for Digital Imaging Arts (CDIA) at Boston University Waltham, MA

3D Animation Certificate, May 2008

ITT Technical Institute Norwood, OH

Associate of Applied Science/IT Multimedia, December 2006

### **CONTINUING EDUCATION**

UAV Coach Drone Mapping Essentials, Abington, PA, October 2024

Leica Geosystems (LGS) University, Tucson, AZ, October 2024

Pix4D User Workshop, Detroit, MI, March 2018

IAFSM International Educational Conference, Orlando, FL, 2016

Drone World Expo, San Jose, CA, November 2015

USIBD Workshop, Colorado Springs, CO, April 2014

SPAR International 2014, Colorado Springs, CO, April 2014

SPAR International 2013, Colorado Springs, CO, April 2013

Autodesk Revit Essentials Course, Newark, DE, September 2013

Autodesk ReCap Course, Newark, DE, September 2013

## EXPERIENCE

**September 2019 – Present**

**Director of 3D Reality Capture - DJS Associates, Inc., Abington, PA.**

Oversees the development, monitoring, and implementation of procedures for both 3D laser scanning, and Unmanned Aerial Vehicles (UAVs). Jon's knowledge of 3D data workflows and photogrammetric procedures helps him educate clients on best practices to ensure comprehensive data collection for their projects. Jon is involved with the planning, overseeing and execution of site and vehicle documentation, as well as the creation of 2D and 3D as-built models.

**September 2013 – September 2019**

**Director of Architectural & Heritage Services - DJS Associates, Inc., Abington, PA**

Developed, monitored, improved, and implemented procedures for high-quality BIM documentation and data processing. Educated clients on the process of data collection, via 3D Laser Scanning and HDR Panoramic Photography, as well as the different uses and benefits of scan data implementation in software packages.

**July 2008 – September 2013**

**3D Modeling Specialist - DJS Associates, Inc., Abington, PA**

Worked with data collected from high-definition surveying laser scanners, total station transits and other field data to create accurate, large scale 3D environments and vehicles for use in engineering analysis and 3D demonstrative evidence including animations.

**May 2008 – July 2008**

**Lead Animator - BUCEC, Tyngsboro, MA**

Led a team of three animators in producing over 300-character animations during a two-month period, using Media Semantics' Character Builder software. The characters were developed for use in interactive training modules as part of an online conversion project.

**April 2008 – May 2008**

**3D Artist CDIA - Waltham, MA**

Produced 3D assets and animations for The Commonwealth Shakespeare Company to be used as interactive elements in their newly renovated website. Active in modeling, texturing, rigging and rendering aspects of the project from start to finish. This content was distributed over the web and has been shown to prospective students and clients during school open house events.

## ASSOCIATIONS

U.S. Institute of Building Documentation (USIBD) June 2015

AIA Philadelphia Affiliate Member, March 2014

AIA Philadelphia Historic Preservation Committee, June 2013

## PRESENTATIONS

“Using Collision Reconstruction Technology in Premise Liability Investigations,” Webinar, Abington, PA, May 2023

“Reality Capture in Forensics/Public Safety Sector,” Reality Capture Network Conference 2021, Boise, Idaho, October 2021

“High-Definition 3D Laser Scanning and Drones,” Thomas Jefferson University Historic Preservation Program, Philadelphia, PA, November 2020

“RTC-360 Biggest WOW Moments in our First Six Months of Use,” HxGN LIVE Conference, Las Vegas, NV, June 2019

“Demonstrative Evidence Given the Current State of Technology,” Montgomery American Inn of Court, Blue Bell, PA, May 2019

“How New Technology Allows you to Evaluate your Case in 3 Dimensions,” 2019 NJAJ Boardwalk Seminar, Atlantic City, NJ, May 2019

“The Investigation of a Vehicle Collision: An Interactive Seminar Where YOU Take Part in the Investigation,” Forensic Storage & Technology Center, Southampton, PA, May 2019

“Utilizing Drones for Incident Analysis: Photographs, Video and the Creation of Accurate 3D Models,” 2019 Pennsylvania Insurance Fraud Conference, Pocono Manor, PA, April 2019

“Lidar and Photogrammetry: Comprehensive Data Collection for Historical Preservation,” 3D Digital Documentation Summit, New Orleans, LA, April 2017

“You View Your World in 3D, Why Not Document in 3D?” CMAA Rising Construction Manager Conference, San Diego, CA, October 2016

“Reality Capture in AEC,” AIA Jersey Shore, Lincroft, PA, January 2016

“Education Impact Using 3-D Technologies,” SPAR 2015, Houston, TX

“Architectural Applications for 3D Laser Scanning,” AIA Philadelphia, East Norriton, PA, December 2014

“Applications of 3D Laser Scanning in the Architectural, Engineering and Construction Fields,” AGC Innovation in Technology, Washington, DC, November 2014

“Point Clouds to BIM for Architecture and Construction,” Joint CLE Program with CADapult, Philadelphia, PA, April 2014

“3D Data Collection Technologies & Their Applications in Forensic Engineering, Architecture, Construction and Historical Preservation,” Lower Bucks County Chamber of Commerce Technology Subcommittee Meeting, Fairless Hills, PA, March 2014

“HDS Laser Scanning & HDR Photography as it applies to Architecture,” Philadelphia University, Philadelphia, PA, November 2013

“Every day Real World Uses of Raw Point Clouds in Forensic Engineering: Economical and Efficient Use of Point Cloud Data: Real World Examples,” HxGN International Conference, Las Vegas, NV, June 2013

“Incorporating Historical Preservation with high-Definition Survey (HDS) Laser Scanning,” HxGN International Conference, Las Vegas, NV, June 2013

“Incorporating Historical Preservation with High-Definition Survey (HDS) Laser Scanning,” SPAR International 2013, Colorado Springs, CO, April 2013

## **ARTICLES**

“So Many Measurements, So Little Time,” Tech Brief, January 2015

“Lincoln Memorial Project,” XYHT, January 2015

“Of Abe and George,” LIDAR News Magazine, Vol. 4 No. 8, December 2014