



LAURENCE R. PENN

Forensic Animation / Video Specialist

EDUCATION:

Maryland Institute College of Art (MICA)

Bachelor of Fine Arts in Illustration, Spring 2001, GPA: 3.6

Scholarships: National Art Honors Society, Presidential, Maryland Institute, Illustration Departmental, MICA Achievement Award

Certifications

FXPHD.com 7/2012: VFX Training, Certificate: FUE2CU5MERH25VDK

eForensics Magazine: Digital Video Forensics, Certificate: 56371436564922

PROFESSIONAL EXPERIENCE:

2016-Present DJS Associates Inc., Abington PA, USA

Senior Forensic Animation/Video Specialist: Assists with engineering computer animations through processing scan data, modeling, texturing, animating and compositing the final rendered deliverables. Performs digital video forensic analysis for authenticity and tampering, as well as camera and object motion tracking for 3D scene reconstructions. Automates and optimizes workflows and creates interactive demonstrative tools with script programming.

2016 Dionysus Productions, LLC., Philadelphia PA, USA

Star Wars - Precious Cargo (Fan Film): 45 second 3D animation dogfight, Spaceship 3D modeling & live-action compositing, Lightsaber VFX for 30 second fight with 3 actors & 4 light sabers, hologram VFX and compositing.

2016 Iron Horse Cinema, PA/NJ

Promo - (League of Legends theme): 3D modeling & animation of "Vi" Gauntlets for live-action compositing.

2016 John Hutelmyer, Philadelphia PA, USA

The Kenn Kweder Documentary: VFX compositing of posters into multiple live-action shots.

2003-2016 Dynamic Digital Advertising, LLC., Willow Grove PA, USA

Senior 3D/2D Animator, Editor and Senior Flash Programmer

CPI: CAD optimization for 3D animation, multiple-pass renders for compositing, motion design & music editing.

The Medical University of South Carolina: Anatomical 3D modeling, 3D animation and front-end programming

Warner Brothers, L'Oréal, Hot Topic: Interactive CD-ROMs & DVDs including movie "300" behind-the-scenes DVD.

ETHOS Health Communications: Multiuser LAN Peer-to-Peer App programming.

- 2015 PopKitchen Co., Providence RI, USA**
Teknor Apex: Hose coupling system video including 3D modeling and animation with multiple-pass rendering.
- 2015 Kid Laser and the Dynamite Deal, Sitka AK, USA**
Machines and Monsters: Album cover and album release poster illustration.
- 2014 Pretty Damn Sweet, Philadelphia PA, USA**
Railroad Earth: VFX compositing of multiple shots for "Chasin' a Rainbow" music video.
- 2013 Midnight Crew Studios, Baltimore MD, USA**
Call Girl of Cthulhu: VFX compositing for multiple shots.
- 2013 Junk Cinema Productions, Philadelphia PA, USA**
Illustrated anthropologist's sketchbook for the indie movie "Leech Brain".

SKILLS / SOFTWARE:

- 3D Modeling, Painting, Animation, Rendering: 3DStudioMax, Chaos Group V-Ray Physically Based Rendering, NewTek LightWave 3D, Octane Render Engine
- Camera Match Moving: Pixel Farm PFTrack
- 3D Point Cloud Scan Processing: Leica Cyclone, Leica Register360, Faro Scene
- Nuke: Multiple-Pass Compositing, Rig Removal, Tracking
- Imagineer Systems - Mocha: Tracking, Roto and Camera Match Moving
- Adobe Creative Cloud (Expert Knowledge)
 - After Effects: keying, expressions, camera tracking, particle systems, multiple-pass compositing
 - Photoshop, Illustrator, Encore, Premiere, Flash, Dreamweaver
- Unity Game Engine

SKILLS / OTHER:

- Global Travel, French, Motorcycling, Snowboarding, Drumming, Beekeeping

PRESENTATIONS:

"Surveillance & Videogrammetry Analysis for Collision Reconstruction", NASP Conference 2019, Washington, D.C., October 2019

"The Forensic Engineering Analysis of Surveillance Video: A Real-World Example", 6th Annual Claims Symposium, Harrisburg, PA, May 2019

"How New Technology Allows you to Evaluate your Case in 3 Dimensions" 2019 NJAJ Boardwalk Seminar, Harrah's Resort, 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