

# Augusto Castillo

## 3D Designer

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[castillomotion.com](http://castillomotion.com)

I am pursuing a career as a 3D designer after over a decade as a senior staff gemologist in the jewelry industry. Over the past few years, I have been teaching myself 3D software like Blender and Houdini, learning the fundamentals of modeling, texturing, animation, and rendering. While this shift represents a significant change, my passion for creating visuals has kept me motivated. I'm eager to apply my creativity and dedication to contribute to the world of 3D design.

### SKILLS

#### 3D Softwares

Blender  
Houdini

#### 3D Skills

3D Modeling  
Texturing  
UV Unwrapping  
Simulations  
Animation  
WebGL

#### Adobe Creative Suite

Premiere Pro  
After Effects  
Photoshop  
Illustrator

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### PROFESSIONAL EXPERIENCE

#### Senior Staff Gemologist | 2016–2024

Gemological Institute of America | 2014–2024

- Expertise in analyzing gem materials to determine natural or synthetic origins, treatments, and geographic provenance using advanced industry-standard equipment such as FTIR, UV-VIS, ED-XRF, Raman, and LA-ICP-MS.
- Published articles in Gems & Gemology that advanced industry research and knowledge.
- Investigated emerging gem treatments and provided client education in both English and Spanish, effectively bridging technical insights with accessible communication.
- Trained new hires, teaching advanced gem identification techniques, equipment operation, and effective communication.

#### Lab Technician/Field Operator

Menlo Energy Florida, LLC | 2013–2014

- Tested and analyzed raw materials (Crude glycerin and vegetable fat)
- Performed gas chromatography, Karl Fischer titrations, and vacuum distillations

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### EDUCATION

#### University of South Florida | 2010–2013

Bachelors of Science - Biology

#### Gemological Institute of America | 2015–2016

Graduate Gemologist Diploma (GG)

#### The Gemmological Association of Great Britain | 2019

Fellow of the Gemmological Association (FGA)