

Jonathan B. Stella

(734) 780-6548 · jstella@thehopeclinic.org · jonathanbstella.com
2642 Patricia Ct. Ann Arbor, MI 48103

SKILLS SUMMARY

- **SketchUp Expertise:** Proficiency in creating complex and detailed 3D models from basic shapes, demonstrating a strong foundation in general SketchUp and CAD drawing techniques.
- **Organizational Expertise:** Solid understanding of using layers (Tags) to organize models effectively and control visibility, ensuring optimal scene composition and management.
- **Component Mastery:** Trained in leveraging Components to reuse model elements, enhancing efficiency without compromising on the detail of complex, resource intensive models.
- **Light and Rendering Techniques:** Proficient with the rendering plug-in Twilight 2, for advanced lighting, shadow, and reflection effects.
- **Custom Textures and Materials:** Adept in developing custom textures and materials, including those derived from photographs, and edited with tools such as Photoshop and Gimp.
- **Scene Composition:** Well-versed in the precise 3D navigation and camera controls crucial for crafting compelling scenes and animations.
- **Collaborative Design Development:** Experience in leading design projects, with a demonstrated ability to effectively convey functional and artistic visions to management and board.
- **Professional Documentation:** Expert in converting 3D models to 2D LayOut documents, creating high quality and professional materials that tell engaging stories.

EDUCATION

Bachelor of Science in Mechanical Engineering

Michigan State University, East Lansing, MI 2004

- Graduated Magna Cum Laude: G.P.A. of 3.7
- 1st Place in the Design Day Competition, 2003

Associate in science in Computer Programming

Washtenaw Community College, Ann Arbor, MI 2017

- Cumulative G.P.A. of 4.0
- Java Concentration with SQL, PHP & Python

PROFESSIONAL EXPERIENCE

FARM STAND COORDINATOR | HOPE CLINIC | ANN ARBOR, MI | 2018-PRESENT

- **Developed comprehensive 3D models** for more than a dozen projects, demonstrating proficiency in SketchUp's toolkit and advanced lighting & shadow control using the Twilight 2 rendering plugin.
- **Established component libraries** to greatly reducing file size without compromising on model detail, and to enhance efficiency and ensure the reusability and consistency of elements across projects.
- **Employed organizational expertise** to manage visibility of model elements through the use of layers (tags) and Components, ensuring optimal scene composition and transition for complex models.
- **Created a Digital Archive** of custom textures and materials derived from photography, refined through Photoshop, adding realism and depth to models and serving as a repository for Hope's color schemes.
- **Maintained a collaboration** with all interested parties, from project conceptualization to delivery of professional 2D documentation, continually communicating functional and aesthetic concepts.

DIGITAL DESIGNER | FREELANCE | YPSILANTI, MI | 2013-2015

- **Managed key aspects** of Hope Clinic's \$80,000 Farm Stand expansion by linking a deep knowledge of expected outcomes, with the toolkits of SketchUp and LayOut, to anticipate and overcome challenges.
- **Served as point of contact** for engineers, contractors, and city officials, and was instrumental in instantiating the project through the promotion of efficient collaboration among the affected parties.
- **Demonstrated proficiency** in transforming complex visions into executable designs, leveraging the rapid modeling capabilities of SketchUp and the precision possible with LayOut deliverables.

SOFTWARE PROFICIENCIES

• SketchUp (2023)	• ChatGPT (GPT 4.0)	• Gimp (2.10)
• LayOut (2023)	• DALL-E (3)	• Slack (4.37)
• Adobe Photoshop (2023)	• Twilight Render (2.17)	• Microsoft Office (2403)

ADDITIONAL PASSIONS & INTERESTS

- **Accomplished in traditional mediums**, such as charcoal and clay, with a focus on sculpting busts of celebrated philosophers, and capturing in charcoal the intricate interplay of light and shadow.
- **Avid backcountry backpacker** with extensive experience traversing the rugged terrains of Colorado and Vermont, in both summer and winter, seeking both solitude and adventure in equal measure.
- **Actively involved in mountain biking**, twice completing the notorious challenges of The Iceman Cometh (1,200 Ft. elevation gain) mountain bike race and consistently pushing personal boundaries on the Potawatomi Trail.
