

Jonathan B. Stella

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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.
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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
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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 the 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.

Portfolio at jonathanbstella.com

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.
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SOFTWARE PROFICIENCIES

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| • 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) |
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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.
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