

DAVID ORRICK MODELL

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Computational Footwear & 3D Apparel Designer

Education

Master of Computational Science – Focus in 3D Design

-Design Morphine - The University of Architecture, Civil Engineering, and Geodesy located in Sofia, Bulgaria. — Attended September 2024 to June 2025

Bachelor of Fine Arts in Fashion Design

-Savannah College of Art and Design — Attended September 2019 to June 2023

Skills

Technical Design:

Pattern Making, Draping, Garment Construction, Fit Development, Fabric Sourcing, Color Theory, Print & Graphic Design, Printmaking, Software Development

Software:

3D & Computational Tools

Z-Brush, Blender, Houdini, Rhino, CLO3D, Maya, 3Ds Max, ShoeMaster

Rendering & Materialization Tools

Keyshot, Substance Painter

Adobe Suit & Other Tools

Adobe Suite (Adobe Illustrator, Photoshop, InDesign, Premiere, Firefly, Acrobat, Substance Painter) Procreate, Microsoft Suite (Word, Excel, PowerPoint), Miro

AI & Concept Tools

Midjourney, ChatGPT, Stable Diffusion, ClaudeAI, Vizcom

Creative Skills:

Design Ideation, Brand Development, Visual Storytelling, Tech Pack Creation, Color Coordination, Styling

Special Projects

3D Design Software Plugin Development (Independent - 2026 - Present)

SoleShapper (February)

-**Developed** a custom Blender plugin enabling procedural sole shaping for rapid, art-directed iteration

-**Designed** specifically for footwear prototyping workflows

-**Reduced** reliance on manual sculpting through parametric mesh control systems

3D Footwear Design & Development (Independent - 2025 - Present)

-**Designed** and modeled original footwear concepts following industry-standard concept-to-fabrication workflows in 3D programs

-**Developed** detailed renders and technical design specifications

Creative Experience

Team Collaboration - Masters in Computational Science / 3D Design - The University of Architecture, Civil Engineering, and Geodesy located in Sofia, Bulgaria. (2024-2025)

-**Collaborated** with cross-disciplinary team to develop immersive 3D environments using computational design workflows

-**Maintained** visual cohesion across multi-platform assets

Visual Merchandising & Styling Associate - Buck Mason Ponce City Market location (2023 - Present)

-**Conducted** product research and fit analysis to deepen understanding of garment construction and materials

Fashion Designer, Capstone Project - Savannah College of Art and Design (2021–2023)

-**Developed** a complete fashion collection from initial concept to final runway prototypes

-**Developed** conceptual, technical, and aesthetic components of collection under faculty direction