

# SIMON YUEN

## INDUSTRIAL DESIGN & FABRICATION

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### PROFILE

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Hi my name is Simon and I work in the fields of product design and custom fabrication. I have 15 years of experience designing and building custom displays, retail environments, and furniture. I am passionate about studying fabrication techniques, manufacturing processes, and the stories that objects tell. Above all, I am driven to create design solutions that are both practical and elegant.

I am proficient in all stages of the product design process, and utilize hand tools, software, and digital fabrication tools to bring projects to life.

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### PROFESSIONAL EXPERIENCE

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#### **AXIOM CUSTOM — Design Engineer**

Portland, OR | May 2025 - Current

Currently I am a 3D Solidworks Design Engineer at Axiom Custom, collaborating closely with management and production to produce architectural and retail environments.

*Notable Projects: Filson Retail, Converse Retail, Made Bike Show*

#### **LIT WORKSHOP / LIT HOMES — Mechanical Designer**

Portland, OR | March 2024 - April 2025

Lit Workshop is an established custom fabrication shop. Out of Lit Workshop, Lit Homes was created to help solve the housing shortage crisis with prefab, turn-key ready modular homes. Responsibilities: I worked on both teams as a 3D Solidworks Mechanical Designer, engineering retail and exhibition projects, and supporting the first-article prototyping and manufacturing of a modular homes catalog.

*Notable Projects: Apple Retail, Apple Events, Via del Oro Community - San Jose*

#### **ASTOUND GROUP — Design Engineer**

Tualatin, OR | May 2022 - March 2023

ASTOUND Group is a global brand experience agency. At Astound I did 3D Solidworks mechanical design and 3D drafting as part of the Engineering team, creating retail and experiential environments.

#### **PVS GRAPHICS — Lead 3D CAD Designer, Fabrication Manager**

Portland, OR | Sept 2018 - April 2022

PVS Graphics is a print shop and custom fabrication studio. I lead the fabrication department doing engineering, drafting, prototyping, managing projects, overseeing the workshop, and building. Typical work included trade shows and retail displays.

*Notable Projects: Nike Retail, Nike Events, Google Events, Luc Lac Restaurant*

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## PROFESSIONAL EXPERIENCE

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### **SUPERFAB — Fabricator, CNC Operator**

Portland, OR | February 2016 - July 2017

Superfab is a design studio specializing in CNC design and fabrication. I worked as a fabricator in the shop as well as operate the Shopbot CNC mills.

*Notable Projects: AirBNB Portland Office, Simple Bank Portland Office*

### **GUILD — Fabricator**

Portland, OR | August 2014 - February 2016

Guild is a interdisciplinary studio specializing in environmental design and fabrication. I worked in the shop as a fabricator creating displays and sets.

*Notable Projects: Nike Retail, Adidas Retail*

### **ORANGE DESIGN INDUSTRIES — Carpenter**

Portland, OR | November 2013 - July 2014

Orange Design Industries is a construction company and fabrication shop specializing in building commercial and residential spaces. I worked in the wood shop creating cabinetry and furniture.

### **THE GOOD MOD — Designer, Fabrication, Laser & CNC Operator**

Portland, OR | July 2012 - November 2013

The Good Mod is a vintage modern furniture retailer and fabrication studio. Responsibilities: design, engineering, manage and budget projects, 3D cad design, operate cnc mill and laser cutter, wood working, metal working.

### **ADX PORTLAND — Designer, Fabrication, Laser Operator**

Portland, OR | October 2011 - January 2013

ADX Portland is a member-based design and fabrication studio. I worked on custom fabrication projects as well as operate the laser cutter. Responsibilities: manage projects, design consultation, create 2D and 3D CAD drawings, wood and metal fabrication.

### **SCHOOLHOUSE ELECTRIC CO. — Product Designer**

Portland, OR | July 2010 - August 2011

As a product designer I did ground-up design of new products. The process involved: inspiration research, sketches and cad rendering, technical drawings for parts, seeking out vendors to manufacture parts, organizing price quotes and all project costs, maintaining relationships and communication with vendors, prototyping, and finalizing product.

*Notable Projects: Schoolhouse Electric Clocks*

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## EDUCATION

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Undergraduate Studies, Industrial Design  
The Art Institute of Portland  
October 2009 - June 2010

Bachelors of Science, Digital Media Production  
The Art Institute of Philadelphia  
Graduation Date: December 2006

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## SKILL SET

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### **Fabrication:**

Wood, metal, plastic fabrication.  
Furniture, retail displays, cabinetry, prototypes, models, sign-making, painting & finishing.  
Electronics wiring and LED lighting.

### **Digital Fabrication:**

3D CAD design  
Sheet Metal  
Tool path generation  
CNC milling  
Laser cutter operation  
Vinyl cutter operation

### **2D:**

Technical drawing  
Ideation and conceptual drawing.  
Graphic design utilizing software as well as hand skills.  
Photography, video production, video editing, motion graphics.

### **Project Management:**

Client consultation, budgeting, vendor & material sourcing.

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## SOFTWARE

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Solidworks	Photoshop
Inventor	Premiere
Fusion360	After Effects
AutoCAD	Final Cut Pro
Sketchup	
Rhinoceros	
RhinoCam	