

# SIMON YUEN

## INDUSTRIAL DESIGN & FABRICATION

---

### PROFILE

---

Hi my name is Simon and I work in the fields of product design and custom fabrication. I have an obsession with learning 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 have over 10 years of experience designing and building custom displays, retail environments, and furniture.

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

---

### PROFESSIONAL EXPERIENCE

---

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

Tualatin, OR | May 2022 - March 2023

ASTOUND Group is a global brand experience agency. At Astound I did mechanical design and 3D drafting as part of the digital 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 tradeshow and retail displays.

#### **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.

#### **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.

---

## PROFESSIONAL EXPERIENCE

---

### **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 sets and furniture.

### **THE GOOD MOD — Design, 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 — Design, 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.

---

## EDUCATION

---

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

---

## SKILL SET

---

### **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.

---

## SOFTWARE

---

Solidworks

Inventor

Fusion360

AutoCAD

Sketchup

Rhinoceros

RhinoCam

Photoshop

Premiere

After Effects

Final Cut Pro