Andrew Mark

Portland, USA
LinkedIn | Website
andrewjmark@gmail.com

Multidisciplinary Design and Build Engineer combining technical fabrication skills with a visual arts background. Over the last 15 years, I have executed a broad range of custom projects, often leading teams through the entire production process from inception to delivery. My approach is defined by a deep commitment to continuous improvement, ensuring that every project builds upon the last in both quality and craftsmanship.

Experience

2024 – Present **Studio AM | Art Practice | Founder & Lead Artist | Portland, OR**

- New media practice producing interactive and kinetic sculpture

2024 – Present **Don't Panic Studio | Full Service Design & Build | Founder & Lead Engineer | Portland, OR**

- Design and build studio for product development, prototyping and custom fabrication
- Engineered several consumer product prototypes, two of which went into limited production
- Conducted R&D for an interactive water-drop system in collaboration with IAAC / Fab Lab Barcelona

2023 **Sosta House | Fabrication Residency | Custom Fabricator | Beaverton, OR**

- Custom fabrication for a new bed and breakfast, including electrical work, custom signage, casework and cabinetry

2021 – 2023 **Dymphna | Music Event Series | Co-Founder & Technical Lead | Portland, OR**

- Immersive art and music event series
- Led core logistics around sound, light, and video installations
- Created custom stage elements and managed install of participating artist works

2021 – 2023 **PVS Graphics | Full Service Design & Build | Design and Build Engineer | Portland, OR**

- CAD modeling, technical drawing, and CAM on an engineering team of three
- Fabricator and installer, either as a core part of a team or as production lead
- Worked with high profile brands: Google, Nike, Adidas, Whole Foods etc.

2020 **Matchless Builds | Full Service Design & Build | Fabrication Intern | Portland, OR**

- Design and build firm specializing in art fabrication and experiential marketing
- Picked up practical industry standard fabrication and install skills

2020 **TwoFold Spaces | Office Furniture Company | Industrial Design Intern | Portland, OR**

- Conducted extensive survey-based user research
- Prototyping, design and fabrication of production ready COVID-19 sanitation kiosk

2011 – 2015 **Elan AV | Audio Visual Production Company | Co-Founder | Portland, OR**

- Specialized in generative visuals, live video mixing and projection mapping
- Worked for high profile local brands including Make-A-Wish Foundation, Maker Faire Portland, The Portland Art Museum, and the science museum OMSI

Education

2025 **Fab Academy (IAAC Barcelona) | Barcelona, Spain**
Post-Graduate Certificate in Digital Fabrication

2017 – 2020 **Quest University Canada | Squamish, BC, Canada**
Bachelor of Arts and Sciences

2015 – 2016 **Savannah College of Art and Design (SCAD) | Savannah, GA**
Industrial Design coursework

Awards

2025 **IAAC | Distinguished Project Award**
Fab Academy final project, new media sculpture ‘Basin’

Exhibitions

2026 **FAB26 Group Exhibition | MIT Media Lab | Cambridge, MA**
YIN

2025 **Prototyping The Future | IAAC | Barcelona, Spain**
Basin

Software Skills

2D Design	Illustrator, InDesign, Photoshop, Final Cut Pro, & Vizcom
CAD + 3D	Autodesk Fusion, Blender, & SketchUp
Code	Arduino, CircuitPython, TouchDesigner, & HTML
CAM	Fusion CAM, VCarve, Bambu Studio, & PrusaSlicer

Fabrication Skills

CNC	3 Axis CNC, 3D printing (FDM / SLS / SLA), & Laser Cutter
Electrical	Low Power Systems Installation, Soldering, & Residential Electrical
Electronics	Distributed microcontroller systems (ESP32, CAN bus) & sensor integration (mmWave radar, thermal cameras)
Wood	Casework, Residential Framing, & Basic Carpentry
Metal	Welding (TIG and MIG), Sheet Metal Fabrication