

# CHRIS MANTZ

Industrial Designer & Engineer

I am an experienced technical product designer seeking opportunities in design leadership, development, and engineering.

## EXPERIENCE

**DRIFT Eyewear** Chicago, IL.  
CEO/Lead Engineer/Creative Director



2010 - 2017

- Built an industry changing company from the ground-up
- Worked with a market research firm to determine potential, pricepoint, and consumer focus
- Managed all aspects of small business growth: HR, legal, tax, accounting, insurance, etc.
- Designed and engineered a custom eyewear manufacturing plant
- Lead a team of six to double volume/revenue for three years straight
- Worked with stores to streamline offering and adapt to consumer feedback
- Expanded to 138 boutiques in seven countries
- Numerous awards and countless publications
- Cultivated and sustained a strong consumer fan-base including famous artists and musicians

**UV Process Supply** Chicago, IL.  
Mechanical/Electrical Design and Fabrication



2009 - 2011

- Mechanical and Electrical assembly of UV curing systems
- Designed and fabricated functional prototypes of two novel systems: Floorcure and HPLED
- Created BOM's, assembly guidelines, and fixturing for new products
- Worked with a local suppliers to procure extrusion, hardware, casings, etc.
- Updated existing products to simpler, more well defined/documented methods of assembly

**Halcyon Products** Cleveland, OH.  
Product Manager/Design Engineer



2008

- Developed the Fireground Compass: a self-extrication tool for lost or disoriented firefighters
- Experience with design for plastic injection molded components
- Custom designed, non-ferrous PCB
- Product passed testing within the Department of Homeland Security's Tech Solutions

**Swagelok** Cleveland, OH.  
Mechanical Design Engineer and Technician



2007 - 2008

- Worked within the R&D department of a premium valve and fitting company
- Experience with testing systems: helium leak, thermal chamber, cycle rig, torque, etc.
- Learned methods of statistical analysis for testing, quality control, and post-mortem
- Used Solidworks to design and 3D print a significant component update
- Developed a testing protocol and statistical analysis for component testing

**Jeld-Wen** Vista, CA.  
Production Manager



2005 - 2007

- Production manager at a high volume window and door manufacturing facility
- Responsible for day-to-day management of 30-40 hourly employees and maintenance
- Set production and efficiency records in two departments
- Developed employee training handbooks and SOP's for two departments
- Applied 5s, lean manufacturing, and takt time analysis to improve line efficiency

## EDUCATION

B.S. Engineering - Miami University Oxford, OH.

2000 - 2004

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## HIGHLIGHTS

- +Business Development
- +Product Design (R&D, DFM, DFA, DOE)
- +Team Building/Management
- +Machine Learning - Neural Network

## APPLICABLE SKILLS

### Software

Adobe CC	●●●●●●●●
Solidworks	●●●●●●●●
RhinoCAD	●●●●●●●●
Rhino CAM	●●●●●●●●
Grasshopper	●●●●●●●●
LABView	●●●●●●●●
Arduino	●●●●●●●●
Microsoft Office	●●●●●●●●
MatLAB	●●●●●●●●
G-Code/M-Code	●●●●●●●●

### Hardware

CNC Router/Mill	●●●●●●●●
Laser Cutter	●●●●●●●●
3D Printing	●●●●●●●●
3-Axis Mill	●●●●●●●●
Lathe	●●●●●●●●
Woodworking	●●●●●●●●
Metalworking	●●●●●●●●
Finishing	●●●●●●●●
Automation	●●●●●●●●
Mechanical Assembly	●●●●●●●●
Electrical Assembly	●●●●●●●●

## AWARDS



FAST COMPANY - Masters of US Design  
for DRIFT Eyewear

## PUBLICATIONS

IEEE PLANS April, 2004  
"Application of a Neural Network Model to GPS Ionosphere Error Correction." C.P. Mantz, Q. Zhou

## PRESS

Crains Chicago Business August, 2014  
"Is Drift the hippest eyewear brand in America?"

Bloomberg Businessweek May, 2013  
"Four Stylish Google Glass Redesigns"

Architectural Digest July, 2012  
"Designer Sunglasses Inspired by Architecture"

The Collective Quarterly - Marfa 2014  
"The Drifting Visionary"