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



- 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 Departement of Homeland Security's Tech Solutions

Swagelok Cleveland, OH.

Mechanical Design Engineer and Technician



- 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



2000 - 2004

- 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

E: Chris@chrismantz.com P: 760.840.1398 www.chrismantz.com

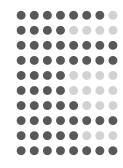
HIGHLIGHTS

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

APPLICABLE SKILLS

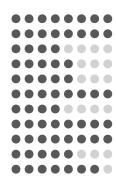
Software

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 lonosphere 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"