

Herman Grewal

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SUMMARY OF QUALIFICATIONS

- 5+ years of diverse engineering experience in consumer electronics and aerospace industry
- Established technical design knowledge with 60+ industry projects with 300+ production level drawings & models released
- Proven track record delivering high performance products in fast paced environments to deliver on tight deadlines
- Skillful creative thinker able to lead projects from initial conception to development to final production
- Motivated team player with proven collaboration & communication skills in global team environment

SKILLS

PRODUCT MANAGEMENT

Teamcenter • Agile
ENOVIA VPM & PLM
SharePoint • Git • Slack

APPLE TOOLS

Nimbus • Radar
Incline • Boardwalk

CAD

NX • CATIA V5 • SolidWorks
AutoCAD • CADAM • Inventor

MANUFACTURING

GD&T • Tolerance Analysis
Flexible Circuit Fab • JMP
Display Manufacturing
DFA/DFM • Machining • Tubing
Additive (SLS) • Injection Molding
Sheet Metal Forming

EDUCATION

UNIVERSITY OF WATERLOO

Waterloo, Canada

M.ENG IN MECHANICAL ENGINEERING

GPA: 4.0 / 4.0

B.A.Sc IN MECHATRONICS ENGINEERING (CO-OP)

Ranked in Top 10% of Class
Dean's Honour List
Autodesk Capstone Award
President's Research Award (x2)
President's Scholarship
Richard Matzeg Scholarship
Professional Engineers Ontario
Scholarship
GPA: 3.93 / 4.0

EXPERIENCE

[View Full CV](#)

APPLE

MECHANICAL DISPLAY ENGINEER | IPHONE & APPLE WATCH DISPLAY

June 2021 - Present | Cupertino, California

- Successfully launched iPhone 14, currently supporting future iPhone programs
- Ownership of display module and metal plate & flexible circuit subcomponents
- Manage vendors in Asia to drive technical specs, support builds and resolve issues
- Collaborate with vendors and cross functional technical teams for design requirements, risk assessments, mitigation strategies and validation plans
- Work with EPM to plan DOE configs, drive material plan and enable build schedule
- Present issue summaries to Technical & Executive teams with resolution pathways
- Work with Manufacturing and Quality teams to improve yield and push capabilities
- Drive failure analysis and corrective action for build issues and REL test failure
- Develop in-house REL tests to quantify performance and de-risk issues
- Draft and approve drawing MCOs and ERS specs using NX, Teamcenter and Agile

PRATT & WHITNEY CANADA

MECHANICAL DESIGNER | EXTERNALS, CONTROLS & NACELLE DESIGN

Full Time: July 2019 - May 2021, Co-op: Jan - Aug 2018 | Toronto, Canada

- Lead Integrated Product Team (IPT) meetings and track action items to progress project and maintain schedule
- Over 3000 hrs drafting 2D detailed drawings & 3D models using CATIA V5
- Proficiency in ENOVIA VPM & PLM for version control, BOM management, change management & approval routes
- Approve production drawings validating tolerance stackups and GD&T controls
- Complete design verification with Best Practices (BP) review, Design for Assembly (DFA) studies, tool accessibility studies, trial fits and Request for Test (RT)

Module Owner for New Engine Program for Fuel and Air Systems

- Complete design responsibility for development and production of 300+ parts
- Present trade studies for design options with cost, weight, reliability, manufacturing techniques & lead times
- Collaborate with international suppliers to optimize design for reduced tooling costs
- Evaluate supplier bids for Fuel Oil Heat Exchanger, Variable Guide Vane Actuator, Flow Divider Valve, Fuel Metering Unit, Pressure & Temperature Sensors

TECH PUBS ANALYST | TURBOFAN ENGINE PRODUCT DEFINITION

Co-op: Apr - Aug 2017 | Toronto, Canada

MECHANICAL DESIGNER | COMPRESSOR DESIGN

Co-op: Sept - Dec 2016 | Toronto, Canada

WEIGHTS ANALYST | ADV. CONCEPTS ARCHITECTURE & MASS PROP.

Co-op: May - Aug 2015, Jan - Apr 2016 | Toronto, Canada