

Lionel Fèvre

Via Cappella 23, Maranello, 41053 MO, Italy

Eng. Process Optimization | Business Efficiency | Agile Developments | Kaizen Improvements | Team Building

Qualifications Highlights:

- Proven **Leadership** and **Managerial Skills** having successfully navigated projects through crisis
 - Strong **Analytical Mindset** removing **roadblocks** to provide **Strategic Solutions** with short **ROI**
 - Naturally oriented on **Process Optimization** and **Design Efficiency**
 - **15-year Design experience** including **Aero Surface**, **Detailed Design**, **Large Assemblies**
 - Bilingual **English/French**, fully fluent in **Italian**, with **French** and **Canadian citizenships**
 - Hard worker, dynamic and innovative personality, with a **passion for High-Tech Sports**
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Relevant Experience:

- **Head of Design Processes, Tools and Eng. Services - F1 Chassis Dept.** [Sep. 2023 – Present]
Scuderia Ferrari F1, Maranello, Italy
 - Development of AI Tools and Agents to eliminate inefficient tasks
 - Standardization of **Tools** and **Processes** across several design offices
 - Creation of the **Material's Database** for Composites, Metals and Polymers
 - Lead the **CAD/PLM governance** for downstream tools data compliance and integrity
 - In charge of frequent **data compliance declarations** with the sport's Authorities (FIA)
 - Apply **Agile management** technics for efficient team work prioritization
 - **Budget optimization** for hardware, licenses and suppliers' developments
 - **Manage consultants**, suppliers and Engineering internships
 - **Disruptive leadership**, promoting positive changes and innovative approaches to go beyond industry Best Practices
- **Responsible for Design Tools and Methodologies - F1 Chassis Dept.** [Jan. 2021 – Sep. 2023]
Scuderia Ferrari F1, Maranello, Italy
 - Managed a team of 4 to run the **Design Efficiency Improvement Program** and plan the development and optimization of CAD & PLM tools.
 - Responsible for **building and maintaining self-learning training materials**, starting from users' knowledge assessment
 - Publication and maintenance of **Engineering Standards**
 - Wrote, published and maintained **Technical Documentations and Methodologies**
- **Snr CATIA Support Engineer, F1 Chassis Dept.** [Jan 2020 – Jan. 2021]
Scuderia Ferrari F1, Maranello, Italy
 - Improved the Team's design efficiency by developing and managing custom tools
- **Snr Engineering Design Automations Team Lead** [Apr. 2015 – Oct. 2019]
Bombardier Aerospace, Montréal, Canada
 - Automated the **business quality standards** into a custom **Quality Control** tool
 - Managed the **developments, tests, release** and **maintenance** of custom tools
 - **Led a team of 3 CAD Engineers** while monitoring and prioritizing daily **technical support** to **350+ users worldwide** across **6 international sites**
 - Supervised the **architecture** of the tools for standardization, robustness and reusability
 - Performed user **audits** to ensure proper methodologies and tool's adoption over time
 - Established the **Design Efficiency Improvement Plans** with the management team
 - Implemented the use of **Web APIs** and **Service requests** for our custom tools
 - Provided **Technical Expertise** to the top management to plan future enhancements

- **CAD & PLM Support Admin** [Jun. 2012 – Mar. 2015]
Lotus F1 Team, Enstone, United Kingdom
 - Managed the **Design Efficiency Improvement Program** for the Design Office
 - Managed all **VBA Macros** and **Scripts**: develop, test & deploy in VBA, Scripts, Batch
 - Acted as **Lead Aero Surface Designer** to create complex Chassis surfaces
 - Acted as **Composite Designer** to generate the car's bodywork
 - **Snr Aero Concept Surface Designer** [Jan. 2011 – May 2012]
Nous-Consulting for Ferrari SpA, Maranello, Italy
 - Acted as a **CATIA V5 Expert / Consultant** (Surfacic / Part Design / Macro)
 - Optimized modularity of Rapid Prototyping Parts to minimize Wind Tunnel downtime
 - Managed **FIA Rules Macros** as well as CATIA user macros
 - **CATIA Development Manager**, [Oct. 2008 – Nov. 2010]
Innovation Virtuae, Montréal, Canada
 - Developed **client-customized programs** to help cut costs and increase quality
 - Managed the projects' workflow from the client's requirements, test and release
 - Reported the projects' status directly to the Director of Operations
 - **CATIA Support & Design Engineering**, [Dec. 2004 – Oct. 2008]
Mecachrome, Montréal, Canada
 - Junior **Design Engineer** and **Mass Properties Engineer**.
 - **Junior Design Engineer**, [Mar. 2004 – Dec. 2004]
CDI Engineering Solutions, Montréal, Canada
 - **Research Assistant, Teacher and Advisor**, [Jun. 2002 – Dec. 2003]
Florida Institute of Technology, Melbourne, Florida, USA
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Education:

- **Master of Science, Mechanical Engineering, GPA 4.00/4.00, Dec 2003**
Florida Institute of Technology, Melbourne, Florida, USA
 - **Thesis**: "Design and Construction of Six Degree-of-Freedom Positioning System".
 - **Bachelor of Science, Mechanical Engineering, GPA 3.87/4.00, May 2002**
Florida Institute of Technology, Melbourne, Florida, USA
 - **Final Project**: Designed and manufactured a racing SAE Formula Car.
 - **French Scientific Baccalaureate, France, June 1998.**
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Computer Expertise:

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| – Innovative AI Tools : FIA Rules, Cars' Photo | – Software Dev : VisualStudio, GIT |
| – Latest Topology Optimization Tools: nTop | – PLM : Windchill, ENOVIA, SmarTeam |
| – 3D Design Expert with FEA knowledge | – SQL, REST APIs, AWS Infrastructure |
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Personal Info:

- French and Canadian Citizen, possibilities of working all across Europe and North America
- Fully bilingual English and French (French mother tongue), fully fluent in Italian
- Truly passionate about Motorsports, Adventure & Travels
- Open to relocation
- References available upon request