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# MARC-OLIVIER LAMARRE

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1955 River Sound Dr ▪ Knoxville, Tennessee 37922 ▪ (865) 771- 3659 ▪  
marclamarre@hotmail.com

## - CATIA V5 DESIGNER/MODELER -

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### PROFESSIONAL PROFILE

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Dynamic, top-performing, and disciplined professional, recognized for working with sincerity and high integrity. Experienced in nuclear, automotive and aerospace mechanical and structural design, government testing and regulations. Familiar with different stages of planning, research and development of experimental, automotive and aerospace programs. Recognized as a team player, able to grasp complex issues/concepts quickly and effectively, and a creative/capable problem solver.

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### SUMMARY OF QUALIFICATIONS

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- ❖ Excellent leadership, communication, organizational/time management, and analysis skills
- ❖ Thrive in both independent and group work environments.
- ❖ Known for developing and executing innovative CAD template models and procedures, great at streamlining work flow and creating a team environment to increase productivity.
- ❖ Energetic and self-started player with capacity to work under minimal supervision. At ease in high stress, fast-paced situations with emerging and multiple responsibilities.
- ❖ Fluent in **French** and **English**.

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### AREAS OF EXPERTISE

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Catia V4 (+20000 hrs.)	CAD Assistance & Consulting	Production Cost Calculation
Catia V5 (+35000 hrs.)	Aircraft Systems & Nomenclature	Sheet Metal Stamping
AutoCAD 2016	Prototyping Layouts and Stack-ups	Interaction w/ Suppliers
Enovia 3D Com / VPM/ LCA	Geometric Dimensioning & Tolerancing	Feasibility Studies

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### PROFESSIONAL TRAINING

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#### DASSAULT SYSTEMS ✱ ENOVIA VPM

CATIA V5 EQUIPMENT & SYSTEMS / ADVANCE SURFACING CERTIFICATION  
AVEVA E3D PLANT DESIGN ✱ SEE SYSTEM DESIGN (SSD VIZIO)

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### PROFESSIONAL ACHIEVEMENTS

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CO-RECIPIENT OF U.S. PATENT 6, 938, 941, B2 ✱ (SEP 6<sup>TH</sup> 2005)  
CO-RECIPIENT OF U.S. PATENT 7, 118, 153, B2 ✱ (OCT 10<sup>TH</sup> 2006)  
(BOTH PATENTS CURRENTLY APPLIED ON THE "HONDA RIDGELINE")

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### EDUCATION

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Associate of Applied Science in Architecture: 2007  
COLUMBUS STATE COMMUNITY COLLEGE: COLUMBUS, OH

Aircraft Construction Technology: March 1995  
ECOLE NATIONALE D' AEROTECHNIQUE: MONTREAL, CANADA

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## PROFESSIONAL HISTORY

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### **U.S. ITER, ORNL - US Dept of Energy Oak Ridge, Tn. (Catia V5)** **Design Engineer - [August '09 to Present] – 12.5 years**

- Development of Methodology & Standards for Digital Definition – Functional Tolerance Annotations
- Mechanical Design, Modeling and Analysis of ITER Components & Systems
- Model exchange management & coordination of data interface w/ ITER Headquarter (France)
- Collaboration with Enovia VPM Process improvements, Catia V5 consulting services
- Technical assistance in detailed design of Cooling Water System, First Wall Blanket Shield Module
- Preparation of CV5 models for PBS 11MAGNET, 18FUELING, 26CWS, 31VACUUM, 51ICH, 52ECH
- Oversight of design and engineering activities of sub-contracting A/E firm on behalf of D.O.E.
- **Project experience:** International Thermonuclear Experimental Reactor - ITER



### **Honda R&D Americas, Raymond, Oh. (Catia V4 & V5)** **Automotive & Tool Designer - [May '98 to June '09] - 11.2 years**

- Analysis of automotive styling/rendering/sketches (class A surface data) for feasibility studies
- Issuance of official drawings and dataset for door & exterior structural components and systems
- Door structure - Body in White (sheet metal) Door Skin / Door Panel / Door Beams / Hinges
- Door Systems - Door locks / Inner & Outer Handles / Mirrors / Cables / Wiring Harness / Regulators
- Door Assembly - Glass / Moldings / Seals / Door lining / Accessories
- Testing & Simulation - Crash worthiness / Formability / Rigidity / Durability / Corrosion / Safety / Ergonomic
- Tooling - Sheet Metal analysis / Part & Process optimization to prevent: thinning, cracking, wrinkling deform
- Manufacturing - Study of automated assembly processes: Hemming / Welding / Auto-marriage / Electro-Plating
- **Projects experience:** Honda Civic/Pilot/ Element/ Ridgeline /Odyssey / CRV, Acura MDX / TL / ZDX



### **Boeing Commercial Aircraft Group, Everett, Wa. (Catia V4)** **Aerospace Designer - [June '96 to May '98] - 2 years**

- Large Airframe Structure Customization / Reinforcement of Sub-Floor (Asian/European Market)
- Floor Structure Dept: I-beams, seat tracks, cross-members, honeycomb composite floor panels
- Manufacturing Liaison - Design Knowledge & Concept integration and deployment to production environment
- Issuance of complete Data Sets / Reports / Specs Notices / Installation methods / Repair procedures
- Bill of Materials & parts nomenclature/application schedules using APLG & DCAC/MRM systems
- **Project experience:** Boeing 777 program



### **Pratt & Whitney Canada, Montreal, Qc. (Cadam/Catia V4)** **3D Modeler / Drafter - [March '95 to May '96] - 1 year**

- External group: Design and packaging of misc turbine external components & systems
- Aerodynamic group: Blades & Vanes design, Wireframe & Cross-Sectional CAD, Meshing
- Creation of Geometric Dimensioning stack-up layout & Tolerancing (GD&T)
- **Project experience:** PT-6, PW-118ST, PW150