

EXPERIENCE

Nov 2009-March 2012 Chrysler Product Design Office Auburn Hills, MI
Studio-Engineer (Chrysler Exterior Studio)

- Exterior Vehicle Design - Packaging and Feasibility of front-ends for both US and European markets. Creating mass production ready (Catia V5) models.
- European Pedestrian Protection - Generating Corporate-Strategy in regards to Bumpers, Front-End Modules & Underhood Components. Working with Stylists, Clay Modelers, Test Engineers, Manufacturing, Suppliers, Material and Marketing.
- Exterior Plastic & Sheet-Metal Components - Devising solutions for packaging and manufacturing challenges.
- Underhood Component Design - Initial concept ideation, to mass-production ready surface data in regards to packaging and tooling criteria. Working closely with powertrain engineers to implement a variety of design requisites before production launch.

March 2007-Nov 2009 Honda R&D Americas Raymond, OH
Design-Engineer (Exterior/Door Group)

- Exterior Product Design. Develop exterior and visibility components; Occupant visibility layouts, Full design responsibility for exterior Door Mirrors, from initial concepts and packaging solutions to full detailed Mass-Production layouts and drawings. Deliverables include visibility and target studies to assure compliances with regulations. Full design and development of Interior Plastic components with interface to Door Sheet-metal. Extensive use of Catia V5.
- Maintain maturation targets and schedules. Coordination with Design Studio, Supplier, Factory, Test Groups, Government/Regulation, Purchasing and Material Research.
- Organize and present Layout/Packaging status to the team, support project leaders with team activities, making and reporting documents to communicate design criteria.
- Calculate cost and investments for designated components.

Nov 2001-March 2007 Chrysler Product Design Office Auburn Hills, MI
Studio-Engineer

- Vehicle Occupant packaging. Developed exterior & interior components from initial ideas to production-ready models. Used Catia Version 5: Part Design, Geometric Shape Design, Assembly Design, DMU, Sketcher, and Drawing.
- Benchmarked competitive segment, established occupant packaging hard-points. Interfaced with different platform engineers to meet the overall vehicle packaging requirements. Studied Best-Practice methods used by competitive vehicles, benchmarked their design, assembly and attachments schemes.
- Designed Headlamps & Taillamps components, with responsible engineers and suppliers. Created Catia models for Lit-Model prototypes.
- Interfaced with stylists, aero-dynamists, platform engineers, BIW (Body in White) engineers, Suppliers, Clay Modelers and Milling & Digitizing groups.

Summer 2005 **Chrysler Product Design Office Summer Internship**
Engineer Supervisor

- Supervised the design internship program. Interfaced and trained 9 students (3 Mechanical-Engineer and 6 Industrial-Design students). Objectives were to Design and Package 6 unique Conceptual Vehicles in the course of 12 weeks.
- Trained students on Catia V5. Taught an overview of vehicle occupant packaging, by using SAE guidelines, and requirements.

Feb-2000 **Chrysler Product Design Office** **Auburn Hills, MI**
Class-A Surface Designer (Conceptual Data Development Group)

- Used Catia V4 to develop and package Class-A surface panels.
- Exterior panels: Hood, Fender, Fascias, Headlamps, Taillamps, Mirrors and Roof-racks.
- Interior Panels: Full interior development for Concept-Vehicles, Catia Surface models for production Headliner, Pillars, Door-Trim, Console, Steering wheel, Various Switches and Radio & Climate Control units.
- Surface models were created using combination of Catia V4 Solids and surfacing functionalities.
- Interfaced with Stylists and platform engineers.

EDUCATION

1999-2003 **Central Michigan University** **Warren, MI**
■ Bachelor Of Science Major in Vehicle Design.

1997-1999 **Oakland Community College** **Auburn Hills, MI**
■ Associate Degree, Computer Aided Design (Automotive Body Design).
■ Associate Degree, Computer Aided Design (Tool Design).
■ Associate Degree, Computer Aided Engineering.

1996-1997 **Salehan University** **Tehran, IRAN**
■ School of Architecture