Lars V. Larson

317.523.8643 | larsvlarson@gmail.com | www.llarson.net/#reference

Ten years of experience with Creo and Pro/ENGINEER. CAD Technician and 3D Technical Artist. Critical thinker and problem solver who constantly seeks improvement and new ways to contribute. Experienced in building teams to solve complex problems. Experienced in developing solutions to maximize efficiency. Takes pride in providing exceptional customer service. Easily adapts to new technologies and work environments. A quick learner.

Key Skills

Creo & Pro/ENGINEER	Windchill	3D Scanning
Mechanical Design & Drafting	Technical Illustration	3D Data Visualization
GD&T	Adobe Creative Suite	Unity 3D Interactive Design

Creo – Pro/ENGINEER skills:

Part	Surfacing	Advanced Features
Assembly	Molds	Rendering
Detail	Sheet Metal	CAD Administration
Family Tables	External References	

Professional Experience

Professional Driver – *Avon Community School Corp., & Sodrel Trucking – Central IN* ..... 09/2013 – present
- Safely deliver passengers or freight.
- I take pride in providing exceptional customer service.
- Build positive relationships with clients, students, faculty and company staff.

Freelance CAD, Accident Reconstruction, and 3D Graphics – *Avon, IN* ..... 01/2018 – present
- Created accident reconstruction diagrams from Total Station & CAD data.
- 3D interactive reconstruction of a WWII memorial park, using Autodesk Maya, Blender, photogrammetry, & Unity.
- Freelance CAD design for startup company using PTC Onshape.

Research Associate – *IU School of Anthropology, Bloomington, IN* ..... 03/2016 – 09/2019
- Worked to develop a Virtual Reality proof of concept of an ancient Native American mound village.
- Utilizing hand-held 3D scanners, assisted in creating a digital 3D library of museum artifacts.

Mechanical Designer – *Akoya, Inc., Indianapolis, IN (four-month contract)*.....03/2013 – 07/2013
- Extracted data from mechanical drawings for business analytics.
- Assisted in interviewing job applicants.

Designer – *Carrier Corporation, Indianapolis, IN (18-month contract)*.....07/2011 – 12/2012
- CHAMP award for finishing a project 50% ahead of schedule, without using any offered overtime.
- Using Pro/ENGINEER and CREO, designed components for air conditioners.

Graphics Specialist & Research Analyst – *Injury & Crash Analysis, Indianapolis, IN*.....10/2009 – 06/2011
- Created maps, diagrams, illustrations, interactive media, and 3D animations for courtroom evidence exhibits.
- Research and drawings helped turn a case around from a loss to a seven-figure settlement.
- Field work, including Total Station survey of accident sites, vehicle exams, photography, and video.
- Researched scientific studies, standards, law, and evidence; edited reports, processed evidence, reviewed testimony.

Pro/ENGINEER Designer – *Thermal Structures, Inc., Indianapolis, IN*.....01/2008 – 10/2009
- Using Pro/ENGINEER, created and developed metal and fabric thermal shields.
- Collaborated with clients in a team environment.
- Customers included **CATERPILLAR** and **CUMMINS**.

Product Designer – *Stewart Warner South Wind Corp., Indianapolis, IN*.....02/2005 – 08/2007
- Pro/ENGINEER design of castings, machined parts, assemblies, production drawings, and 3D color renders.
- Geometric Dimensioning & Tolerancing used extensively.
- Designed to MIL_SPEC standards.
- Customers included **PRATT & WHITNEY** and **SIKORSKY**.

Drafting Technician – *Glas-Craft, Inc., Indianapolis, IN*.....09/1999 – 02/2005
- Pro/ENGINEER modeling of parts, assemblies, drawings, formats, and 3D color renderings.
- Pro/ENGINEER administrator, responsible for programming and technical support of Pro/ENGINEER software.
- Eliminated rejections and saved money for certain parts by bringing a process up to industry standards.
- Headed up graphic design.
- Interacted with engineers, factory floor personnel, and supply chain; developed relationships with new suppliers.

Education

Master of Science – Media Arts & Science – *Indiana University*

Bachelor of General Studies – Spanish Minor – *Indiana University*

Associate of Science – Mechanical Engineering Technology – *Purdue University*

Geometric Dimensioning & Tolerancing – *Ivy Tech Community College*

Other Experience

Volunteer Representative – *The Church of Jesus Christ of Latter-Day Saints, Quezon City Philippines*
- Received a letter of commendation from a fourth tier senior manager of a worldwide organization of 16 million, for a two-year total immersion in a foreign culture and language, as a hand-picked representative serving at my own expense, to improve the lifestyle of over 1,000,000 citizens.

Language Proficiency

Spanish ****°°°
Tagalog ***°°°°