

James Catán Suárez Ch. Eng.

Mechanical Designer | CAD Engineer

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Schmollerstr. 2 66111 Saarbrücken, Germany

PERSONAL DATA

Birthdate / Birthplace 28.04.83 Morelos, Mexico
Nationality Mexican + American citizenship
Visa German work visa in process



LANGUAGES

English: Native speaker | **Spanish:** Native speaker
German: Business C1 Level
French: Conversational B1 Level

WORK EXPERIENCE

- 10.2015 - 10.2016 **ISB Industrias Sola Basic S.A. de C.V.**
Mexico City, Mexico *3D Product development engineer*
3D Design, measurement and simulation of street lamp-LED lenses. [CATIA V5, Solidworks] Full development of a more stable product enclosure for two product branches.
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- 09.2014 - 09.2015 **Hemost S.A. de C.V**
Puebla, Mexico *3D Concept designer*
3D Development of knee prosthesis. Conception and sewing of digital 3D Femur head surfaces. Development of a faster method for prosthetics insertion which lead to quicker healing times. [CATIA V5, FEM Analysis, MasterCAM]
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- 02.2014 - 12.2014 **Instituto de Diseño e Innovación Tecnológica IDIT**
Puebla, Mexico *Concept designer for 3Dprinting/Scanning*
Conception, Design and diagnosis of 3D surfaces for propellers, stamping presses and prostheses.. [CATIA V5, FEM Analysis, 3D Scanning]
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- 01.2012 - 01.2014 **ThyssenKrupp Presta de México**
Puebla, Mexico *3D 2D Designer / Drawing technician*
3D Product and tooling design through CATIA V5 and SolidWorks. Worked on 10 different product branches for clients such as Volvo, VW, Ford, Chrysler, Audi and Porsche.
Conception, design and development of high-precision measuring devices. [CATIA V5, Solidworks, OraclePLM, SAP]
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SCHOOL EDUCATION

2003 - 2009 **Universidad de las Américas, Puebla.**
Puebla, Mexico *BE-Bachelor of Science in Chemical Engineering*
Focus: Chemical process Engineering.

Bachelor thesis: „Pollutant Concentration Simulation Using
Mathematical Iterative Models: 3D Curve Rendering“.
[VisualBasic .NET, MATLAB]

SOFTWARE & IT KNOWLEDGE

CAD Software:

- CATIA V5
(Part, Assembly, Surface,
Wireframe, FEM)
- Solidworks
(Simulation engine,
Sheetmetal, Mold & Die)
- Dassault 3Dvia Composer
- AutoCAD
- Rhinoceros

Programming Languages:

- VisualBasic .NET
- MATLAB
- Python
- C++

Office-Software:

- MS Office
(Excel, Word,
Powerpoint)
- LibreOffice

PLM-Platforms:

- OraclePLM

Operating Systems:

- Windows
- MacOS
- Ubuntu Linux

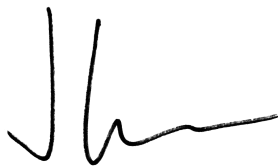
Image processing:

- Adobe Photoshop
 - Adobe AfterFX
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PROFESSIONAL SKILLS

- Ability to solve complex problems
 - Continuous update capabilities
 - Great self-training abilities
 - Great Creativity
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Saarbrücken, 10th of March 2017



James Catán