

# Jorge Oguilve

## Curriculum Vitae

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### Education

2002–2005

**Master of Engineering in Modern Manufacturing Systems (Cum Laude Recognition)**, *Instituto Tecnológico de Costa Rica*, Cartago, Costa Rica.

1995–2000

**Bachelor of Science in Mechanical Engineering**, *Universidad de Costa Rica*, Montes de Oca, Costa Rica.

1995–1997

**Private Pilot**, *Escuela Costarricense de Aviación*, Pavas, Costa Rica.

1993–1994

**High School Diploma**, *Colegios Científicos de Costa Rica*, Pérez Zeledón, Costa Rica.

### Experience

2014

**Research and Development Manager (current)**, *Boston Scientific*, Global Park, Heredia, Costa Rica.

- Responsible for the startup and overall operation of the Costa Rica Design Services Department, which includes Product and Equipment Design, Engineering Analysis (FEA) and Global Collaboration Tools.
- During last year, I was responsible for hiring and training a team of 8 people in the areas mentioned above, who serve both local and foreign company operations.

2006  
2014

**Operations Director**, *Ad Astra Rocket Company*, Liberia, Guanacaste, Costa Rica.

- Responsible for the overall operation of the Costa Rica facility, including Environmental, Health and Safety Management, with no lost-time accidents reported during my administration.
- Planning, Coordination and Execution of Engineering Projects involving Equipment and Component Manufacturers, External Consultants, Contractors and Customers, working in the development of a new plasma space propulsion system (VASIMR) and Renewable Energy Systems (specially Wind Power and Superconductivity). During my administration, a rocket test-bed was built, as well as other major engineering hardware.

2006  
2014

**Professor**, *Universidad de Costa Rica*, Liberia, Guanacaste, Costa Rica.

- Technical Drawing course professor;
- Vector Mechanics (Statics) course professor.

2001–2005

**Product and Process Engineer**, *Baxter Healthcare Corporation*, Cartago, Costa Rica.

- Lead local automation projects with Internal Rates of Return (IRR) higher than 40 percent with a total investment value in excess of 13MM dollars;
- Responsible for the production and uptime of machines in the automation area, achieving availability indicators higher than 98 percent.

2000–2001

**Test Engineer**, *Intel Corporation*, Belén, Costa Rica.

- Technical Recognition for the preparation and execution of the recovery and remarking process which led to 610K dollars in savings.

2000

**International Co-op Intern**, *Advanced Space Propulsion Lab at National Aeronautics and Space Administration (NASA)*, Houston, TX, United States.

## Computer Skills

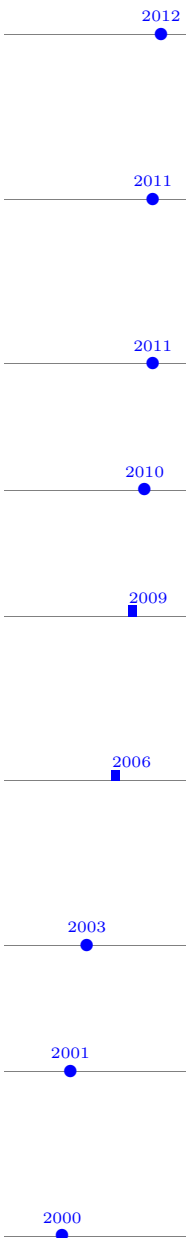
Technical	Solidworks, ProEngineer (Creo), ProMechanica, Matlab, AutoCAD, LyX.
Office Tools	Microsoft Excel, MS Project, MS Word, Oracle Enterprise Planning Tools, SuccessFactors, Kronos, among others.

## Languages

Spanish **Native.**

English 100% proficient.

## Honors and recognitions

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- A vertical timeline on the left side of the page, consisting of a horizontal line with a blue bar at the top. Blue dots and vertical bars mark the years 2000, 2001, 2003, 2006, 2009, 2010, 2011, and 2012. Each year is aligned with a corresponding text entry on the right.
- 2012** "40 under 40, 2012 edition": a yearly recognition to 40 people under 40 years old whose work has a proven impact in the country, *Periódico El Financiero*, San José, Costa Rica.
  - 2011** Member of the first Costa Rican Team to experience Zero Gravity conditions wearing the Costa Rica flag, *National Aeronautics and Space Administration and Ad Astra Rocket Company*, Houston, TX, United States.
  - 2011** Keynote Speaker on the first nation-wide Industrial Engineering Conference, *Universidad Jesús de Nazareth*, San Pedro Sula, Honduras.
  - 2010** Keynote Speaker during the inauguration activities of the Business Administration School, *Universidad Nacional*, Heredia, Costa Rica.
  - 2009** Speaker on various universities: *Universidad de Costa Rica*, *Instituto Tecnológico de Costa Rica*, *Universidad Interamericana de Costa Rica*, *Various Universities*, San José, Costa Rica.
  - 2006** Member of the Team that achieved the first 2 minutes plasma pulse and Steady State Operation on a VASIMR subsystem test bed in Costa Rica, *Ad Astra Rocket Company*, Liberia, Guanacaste, Costa Rica.
  - 2003** Intern at the Baxter Healthcare Corporation Tech Center, *Baxter Technical Center*, Round Lake, IL, United States.
  - 2001** Certificate of achievement for outstanding contribution to the implementation of the superconducting magnet project, *Advanced Space Propulsion Laboratory*, *NASA Johnson Space Center*, Houston, TX, United States.
  - 2000** Technical Recognition for the preparation and execution of the recovery and remarking process which led to 610K dollars in savings, *Intel Corporation*, Belén, Costa Rica.

1999

**Winner of the Intel Scholarship for Academic Excellence**, *Intel Corporation and Universidad de Costa Rica*, Belén y Montes de Oca, Costa Rica.

1998

**Sports Merit Recognition for obtaining the highest team ranking in the history of the Perez Zeledón Male Basketball team in National Games (Silver Medal)**, *Comité Cantonal de Deportes y Recreación de Pérez Zeledón*, Pérez Zeledón, Costa Rica.

## Continuing Education Courses

2009

**General Intellectual Property Course**, *World Intellectual Property Organization (WIPO-OMPI)*, Geneva, Switzerland. Online

2009

**Machine operations: Mill, Lathe, CNC, Cutting tools and Tolerancing**, *Instituto Nacional de Aprendizaje (INA)*, Liberia, Guanacaste y San José, Costa Rica.

2004–2005

**Certified Production and Inventory Management (CPIM)**, *American Production and Inventory Control Society (APICS)*, Chicago, IL, United States.

2003–2004

**Six Sigma Engineer**, *Baxter Internal Training*, Cartago, Costa Rica.

2003

**The 7 habits of highly effective people**, *Franklin Covey*, Cartago, Costa Rica.

2002

**Simulation using ARENA from Rockwell Software**, *Instituto Tecnológico de Costa Rica*, Cartago, Costa Rica.

2001

**Electrical Safety Standards**, *National Aeronautics and Space Administration (NASA)*, Lyndon B. Johnson Space Center, Houston, TX, United States.

1999

**Introduction to programmable logic controllers (PLC)**, *Electrical Engineering School, Universidad de Costa Rica*, Montes de Oca, Costa Rica.

## Interests

Administrative Management and Mechanical Engineering. I like to solve problems and look for innovative ways to improve products or processes.  
Technical

- Sports and outdoors I like playing basketball, chess, soccer, ping pong and riding motorcycles. I also enjoy flying airplanes. I love the mountain environment.
- Academia I love teaching and keeping myself updated.
- Others I like to contribute to my community by volunteering.
- Reading I like to read about leadership, management, Costa Rican history, biographies, science fiction and any other interesting topics in the areas previously mentioned.

## References

Available Upon Request.