

PERSONAL DETAILS

Email: tomasgaviria57138@gmail.com
Mobile Phone: +61 422 923 184
Address: Maribyrnong, VIC 3032

Nationality: Colombian
Date of Birth: 29 December 1988

PROFESSIONAL PROFILE

I am a professional in Industrial Design Engineering with over 5 years of related work experience in products and mechanical design as well as machinery industries. I am currently performing the role of Production Engineer at Bailey Leisure Pty Ltd. designing lightweight caravans, making technical drawings, carrying out design change requests and creating CNC codes (G Codes) for setting up the CNC machines. I also worked 1 year as a Junior Support Engineer at ATB RIVA CALZONI COLOMBIA. I designed machinery equipment and developed technical drawings for Hydro-electrical plants for Latin America. Additionally, I worked 1.5 years in a similar position at TEAMCO S.A. and developed equipment for logistics and materials handling. Further to this, I worked 1 year as a Technical Draftsman Engineering at EDT Especificaciones y Disenos Tecnicos S.A. and designed drawings of the supplying plant. In addition, I participated in a project as a Support Engineer at Grisco S.A.S and created drawings of building and construction machinery, renders and support graphic material of many projects. During this time, I have developed and achieved analytical skills to create solutions and solve problems, work team skills, high attention to detail, time management, organization and prioritization of tasks.

LANGUAGE SKILLS

- Spanish - Native
- English Full professional proficiency

WORK EXPERIENCE

- **Bailey Leisure Pty Ltd - Melbourne - (www.baileyaustralia.com.au)**
(October 2018 – Ongoing)

Bailey Australia designs, develops and manufactures leisure vehicles. Offering lightweight caravans and cutting edge design.

Position: Production Engineer

Software used: Solid Works, AutoCAD, Enroute.

Job Role & Achievements:

- Design and development of the latest models of caravans called Rangefinder Series II;
- Development of SOP Standard Operation Processes for quality control;
- Elaboration of nesting sheets in an efficient way so the waste is minimized;
- Generation of CNC codes (G codes) for the components and upload them into the CNC machines;
- Keeping CNC machines updated with the latest versions of the G codes;

- Log change design requests and implement suitable solutions to production line problems.
- Assist engineering team in the design of the caravans, including, body shell and indoors furniture;
- Elaboration of production and assembly drawings;
- Elaboration of 3D models of equipment and components;
- Development of prototypes along with engineering team;

Contact: Steve Wills

Email: swills@baileyaustralia.com.au

Phone: + (61) 447 908 174

- **Bailey Leisure Pty Ltd - Melbourne**
(Jan 2017 – March 2017)

Position: Engineering assistant

Software used: Solid Works, AutoCAD, Enroute.

Job Role & Achievements:

- Generation of CNC codes (G codes) for the components and upload them into the CNC machines;
- Carry out provided change design requests and modify all the involved files including CAD models, Drawings and CNC codes;
- Redesigning parts and assemblies as requested;
- Elaboration of production drawings, details and assembly;
- Elaboration of 3D models of equipment and components;
- Assisting engineering team in the creation of prototypes;
- Providing effective solutions for the modification and 3D modelling of the components of equipment.

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Email: swills@baileyaustralia.com.au

Phone: + (61) 447 908 174

- **ATB RIVA CALZONI - Colombia** - (www.atbrivacalzoni.it)
(Oct 2013 – Oct 2014)

ATB Riva Calzoni is an international equipment manufacturing company of process equipment for the oil and gas industry and mechanical components for the hydropower, wind power and nuclear sectors.

Position: Junior Engineer

Software used: Inventor, Solid Works, AutoCAD, Publisher

Job Role & Achievements:

- Development of all the metal-mechanic structures and components for the Hydropower plant Hidroituango which is the largest hydropower plant in Colombia capable of supplying 18% of the national electricity demand.

- Design mechanical structures equipment according to the client's request;
- Elaboration of production and assembly drawings;
- Elaboration of 3D models of equipment and components;
- Elaboration layouts and nesting sheets;
- Generation of graphic material of equipment;
- Collection of information on site for the development of projects and equipment;
- Perform materials requests orders for the raw materials and components needed for the development and execution of the projects;
- Request quotations to external suppliers for components', services, processes and materials for the execution of projects;
- Provide effective solutions for the modification and 3D modelling of the components of equipment.

Contact: John Edison POSADA.

Email: jposada@atbrivacalzoni.com.co

Phone: + (57) 321 642 53 45

- **TEAMCO S.A. - Colombia** - (www.matec-sa.com.co)
(June 2012 – Oct 2013)

Teamco is a logistics equipment and materials handling machines developer. They design and produce equipment such as: belt conveyors, goods lifts, sorting systems, picking systems, grain/bucket elevators among others.

Position: Assistant Engineer

Software used: *Inventor, Solid Works, AutoCAD, DraftSight*

Job Role & Achievements:

- Design equipment according to the client's request and development of their respective drawings for production and assembly;
- Elaboration of 3D models of equipment and components;
- Elaboration of layouts;
- Elaboration of renders and graphic material of the equipment;
- Carry out of technical specifications' manuals of the equipment for users;
- Collection of information on site for the development of projects and equipment;
- Perform orders of services to the suppliers;
- Perform materials request orders for the components and raw materials needed for the development of equipment and execution of the projects;
- Request quotations to external suppliers for components', services, processes and materials for the execution of projects;
- Follow up the components on the fabrication stage to monitor compliance according to the drawings, properties and technical information;
- Follow up the assembly stages of the equipment;
- Identify and implement opportunities of improvement of the equipment;
- Give solutions for the modification and 3D modelling of the components of equipment.

Contact: Francisco Arango

Email: farango@tecnoambiente.com.co

Phone: + (57) 313 614 52 65

- **EDT Especificaciones y diseños técnicos S.A.S - Colombia**

(June 2011 – June 2012)

EDT is an engineering CAD services supplier, providing 2D and 3D drafting and models, development of mechanical components and technical drawings.

Position: Technical Draftsman Engineering

Software used: Inventor, AutoCAD, Prezi

Job Role & Achievements:

- Elaboration of production drawings of the mechanical components;
- Elaboration of 3D lines of supplies of plant's equipment;
- Elaboration of layouts of plants and supplies lines;
- Generation of graphic material for monitoring system and software of the equipment's of the plant, support the presentations of the projects and carry out perform operations sequences and security processes description for the quality procedures;
- Elaboration of the graphic schemes of the supplies system;
- Collection of information on site for the development of projects;
- Give solutions for the modification and modelling 3D of the components of equipment.

Contact: Fabian Saldarriaga

Email: fasal67@gmail.com

Phone: + (57) 4 448 43 83

- **Grisco S.A.S - Colombia - (www.grisco.net)**

(Nov 2010 – Feb 2011)

Grisco is a Company dedicated to the development and fabrication of machines and equipment in the building and construction industry.

Position: Support Engineering

Software used: Solid Works, AutoCAD, CorelDraw

Job Role & Achievements:

- Elaboration of 3D models and production drawings of the equipment and components;
- Elaboration of renders and graphic material for the equipment;
- Carry out user manuals of the equipment for users including pertinent technical information;
- Update and monitor the company's website;
- Collection of information on site for the development of the equipment;
- Control and follow up the component's quality according to the production drawings and technical specifications.

Contact: Carlos Giraldo

Email: info@grisco.net

Phone: + (57) 4 331 01 39

- **PJ Tech S.A - Colombia** - (www.dies.com.co)

(Jan 2010 – Oct 2010)

PJ Tech provides laboratory equipment and devices designed, developed and produced by them.

Position: Professional Internship

Software used: Solid Works, AutoCAD

Job Role & Achievements:

- Design of equipment according to the client's requirements and carry out the production and assembly drawings;
- Perform orders of services to the suppliers;
- Check up and control the components' quality according to the respective production drawings;
- Control and follow up the component's quality across to the different stages of the assembly process;
- Identify and implement opportunities of improvement of equipment;
- Give solutions for the modification and modelling 3D of the components of equipment.
- Standardisation of the equipment.

Contact: Daniel Arbeláez

Email: dies@dies.com.co / info@comtitronic.com

Phone: + (57) 4 309 70 07

SOFTWARE PACKAGES

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|----------------------|---------------|---------------------|
| ● AutoCAD; | ● DraftSight | ● Enroute |
| ● Autodesk Inventor; | ● Corel Draw; | ● Prezi; |
| ● SolidWorks; | ● Illustrator | ● Microsoft office. |

HONORS AND AWARDS

- **CREA Project:** Industrias HACEB S.A. in partnership with ITM University - Dec 2011
Recognition of kitchens accessories designs.
- **4^{ta} muestra de proyectos finales de Ingeniería en diseño Industrial.**
Show round of final Industrial Designs Engineering projects: ITM University - June 2011
Recognition received for creating one of the best engineering projects.
- **Larga Vida Project:** Zenu Industry.
Recognition of re-structuring the production line of Zenu Plant - Feb 2012

ACADEMIC ACHIEVEMENTS:

- Advanced Diploma of Program Management: Lonsdale Institute
State: Ongoing
Melbourne, Australia, 2018
- Diploma of Project Management: UIT Universal Institute of Technology
Melbourne, Australia, 2017
- Bachelor: Industrial Design Engineering. ITM University.
Medellin - Colombia, 2014.
- TAFE: Industrial Design Technologist. ITM University.
Medellin - Colombia, 2010.

HOBBIES AND INTERESTS

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| • Music and movies; | • Technology trends; | • CAD, CAE, CAM; |
| • Sports; | • Engineering; | • Manufacturing |
| • Automobiles; | • Industrial Design; | processes. |

References Upon Request.