


ALAN F. JARA R.

CIVIL ENGINEER & BUILDING
CONSTRUCTION MANAGER

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SUMMARY

Adaptable and fast learner who works good under pressure and deadlines with strong critical, analytical, leadership and emotional skills who enjoys to face new challenges and propose different solutions and alternatives. Excellent communication and presentation skills, adapts well to multicultural and interdisciplinary teams. Knowledge on using Building Information Modeling software, Scheduling, Value Engineering and Lean Construction methodology and financial valuation and capital allocation concepts.

EDUCATION

- Georgia Institute of Technology**
Atlanta, Georgia.
December 2021 (Expected)
GPA: 3.85/4.00
 - **Master of Science in Building Construction Management**
 - Relevant Course Work: Technology Applications in the Construction Industry, Value Management-Integrated Design, Advanced Project Management, Construction Management, Management of Design Phase, Design & Construction Processes, Leadership in Design and Construction.
- University of Los Andes**
Bogotá, Colombia
October 2018
GPA: 3.5/5.00
 - **Bachelor of Science in Civil Engineering.**
 - University of Los Andes is qualified by QS University Ranking as Colombia's #1 University and Top 10 in Latin America.

Academic Projects

- Masters Thesis Project**
 - Examined and analyzed the current level of implementation of Internet of Things in the construction industry distributed by different phases of a project, as well as the current level of automation of 4D BIM tools. A systematic characterization of on-going and future trends was performed.
- Georgia Tech Students Center Renovation and Campus Center Construction.**
 - Performed an analysis of the \$100m renovation and construction of the Student and Campus Center, ranging from project programming to operation & maintenance phase, where we identified areas for improvement in every phase and provided recommendations for future projects within GaTech.
- South Central Wastewater Treatment Plant**
 - In charge of developing the schedule, cost estimation and testing plan.
- Capstone Team Project for Bachelor of Science in Civil Engineering**
 - Led team responsible for the financial structure, cost estimation, budget and social impact evaluation of a Water Sports complex.
 - In charge of preparing proposal for a bid for project, negotiate and present to specialized evaluators.

PROFESSIONAL EXPERIENCE

Arco Constructores
(Engineering and Construction Company)
Chía, Cundinamarca, Colombia

Assistant Civil Engineer
March 2019 – May 2019

- In charge of preparing weekly steel orders of \$5 million during on-site work activities on a sport infrastructure complex.
- Successfully reviewed and analyzed more than 150 structural, architectural and hydraulic blueprints to determine if they had inconsistencies and design flaws of a \$5 million USD public school construction project.
- Supervised concrete sampling for cylinders standardized pressure test in a \$5 million USD sport infrastructure complex.
- Prepared unitary price bid proposals as well as conducted activities related to cost estimation and budgeting.

Corporación Vivamos Humanos
(Non-Governmental Organization)
Bogotá, Colombia

Volunteer
September 2018 – December 2018

- This NGO was sponsored by the United Nations Human Rights Office of the High Commissioner and the Organization of Ibero-American States to develop a platform to facilitate access to minutes of meetings and agreements, on topics such as: Public Infrastructure, Agriculture infrastructure, Social Demands and others, between the Colombian government and countryman and indigenous organizations.
- Performed the systematization and characterization of more than 200 hand written minutes of meetings and agreements between countryman and indigenous organizations and the Government on public infrastructure demands, country roads, education and others.
- Established a characterization format to simplify and analyze the percentage of fulfillment of the government commitments.

SKILLS

Software Skills

- Advanced Revit Architecture 2018 (certified by Autodesk)
- Autocad
- MS Project
- Oracle Primavera
- MS Office Suite
- Navisworks
- ArcGIS
- Faro Scene

Languages:

- Spanish (Native)
- English (Bilingual)

EXTRACURRICULAR ACTIVITIES

Table Tennis State Team

Meta, Colombia 2004-2008

- October 2008 High performance athlete in Table Tennis.
- City of Villavicencio interschool champion on singles and doubles.
- State of Meta interschool champion on singles and doubles.
- 6 months training in Colombia's national high performance athlete center.
- Team captain of the junior team in representation of the State of Meta in different national tournaments.