

GERARDO ORDOÑEZ

CIVIL ENGINEER- BIM SPECIALIST

Relocation Available | +(504) 3336-6523 | gerardoordonez@outlook.com | LinkedIn: gerardo-ordonez-f |

SUMMARY

Civil Engineer specialized in Structural Design and Sustainable Project Management, dynamic and innovative professional with international background and proven leadership skills in the coordination of community infrastructure projects with social impact. Committed to continuous development and knowledge acquisition, with outstanding experience in structural analysis, electromechanical design, road infrastructure construction, and pumped fluid and hydraulic systems design. Passionate about integrating emerging technologies, including artificial intelligence, to optimize project performance, efficiency and innovation. Driven to deliver cutting-edge solutions and sustainable improvements in every initiative.

WORK EXPERIENCE

Bilingual IoT Support Specialist

Chamberlain Group – MyQ App (through Intouch CX) | 2024 – 2025

- I diagnosed and solved complex technical problems in IoT systems, achieving a 95% rate in key metrics (KPIs).

Outstanding achievement: Implemented personalized customer service strategies that increased customer satisfaction metrics by 20%.

Supervisor

Universidad Tecnológica Centroamericana (UNITEC) | 2023

- Coordination of soil studies for the National Union of the Blind of Honduras (UNCIH), ensuring the technical feasibility of construction projects.
- Management of schedules and resources for infrastructure projects, achieving delivery on time and within

Designer

Universidad Tecnológica Centroamericana (UNITEC) | 2023

- Design of two paving alternatives for the community of Villa de San Francisco, Honduras, potentially improving the quality of life of residents.
- Topographical studies and vehicular traffic analysis to determine the most efficient and sustainable design. Use specialized software such as AutoCAD and Civil 3D to model and present technical proposals.

Tutor and Technical Educator

Freelance | 2019 – 2023

- Mentored over 20 students in advanced mathematics and structural design, achieving average academic improvements of 30%.
- Designed customized educational materials to facilitate the learning of complex technical concepts.

Outstanding Achievement: 30% increase in student grades.

SKILLS

Technical Skills

- AutoCAD - Civil 3D (Advanced)
- Revit (Medium)
- EpaCAD [Water Distribution Analysis] (Basic)
- ETABS [Structural Analysis Software] (Basic)
- Prestressed Concrete Design (Advanced)

Language Skills

- English (Native)
- Spanish (Native)
- German (Basic)
- Chinese (Basic)

Soft Skills

- Attention to Detail
- Analytical Problem-Solving
- Collaborative Teamwork
- Adaptability Work Environments
- Self-Motivated & Autonomous

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PROJECT EXPERIENCE *

Design of potable water distribution systems

- **Description:** I designed a hydraulic network to distribute drinking water to a rural community, considering flow, pressure and losses.
- **Tools:** EPANET and manual hydraulic calculations.
- **Key achievement** We ensured 100% coverage for community housing, significantly improving the quality of life.

Design of a hydraulic pump system for a manufacturing plant

- **Description:** I developed a pumping system for one, ensuring the efficient distribution of fluids in the production process.
- **Tools:** Flow analysis and pump selection.
- **Key achievement:** Increased system efficiency by 20%, reducing energy consumption.

Budget for civil works

- **Description:** Prepared a complete civil works budget, developing detailed cost sheets and unit Price analysis.
- **Key achievement:** Provided an accurate financial plan that served as the basis for the client's decision making.

Design of rigid and flexible pavements

- **Description:** I carried out the design of rigid and flexible pavements for the community of Villa de San Francisco integrating traffic and climatic conditions.
- **Key achievement:** Improved Road infrastructure with a focus on sustainability.

ADDITIONAL CERTIFICATIONS

Quality Control in High Fluidity Materials | ISCYC | 2022

- ◆ Course given in the city of San Salvador, El Salvador on quality control of self-compacting concrete.

CS50P Python Programming | Harvard | 2023

- ◆ Comprehensive programming course specialized in the Python programming language, taught synchronously by Harvard University

Human Talent Management | INFOP | 2023

- ◆ Special recognition: Mention for leadership and motivation during the course.

ACADEMIC BACKGROUND

Structural Design Specialization (Exchange experience)

Universidad Politécnica de Valencia (UPV)

- ◆ Selected as keynote speaker at the closing ceremony of the exchange.
- ◆ Active participation in the design of steel structures and bridges applying European standards.

Civil Engineering

Universidad Tecnológica Centroamericana (UNITEC)

- ◆ Acknowledgment for the best academic index in the specialty of structural design.
 - ◆ Student leader as interim president of the Civil Engineering Student Association.
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