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# Nicolas D. Corona

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## Summary

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- Six years of experience overseeing various projects in multiple engineering roles from mechanical, manufacturing, production planning, quality manager and as a project manager.
- Proven ability in building successful business relationships, resolving complex issues and meeting organization project goals.
- Excellent written and oral communications both in Spanish and English.
- Proficient in Engineering principles, Engineer in Training Certificate – Fundamentals of Engineering (NCEES)
- Passionate about coding and web3 technology.

## Education and Licenses/Certifications

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### California State University, Long Beach

*Bachelor of Science, Mechanical Engineer*

*Spring 2015*

### NCEES – FE Exam

*April 2021*

### Engineer-in-Training (EIT)

*Certificate #: 173794*

*May 2021*

## Skills

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- Python Coding Language – Intermediate level, passionate and looking to grow in this aspect
  - Coding background – prior schooling experience with Matlab, query writing in Microsoft & CNC g-code.
- Proficient in Microsoft Office Suite (Word, Excel, PowerPoint, Outlook, and Publisher).
- Proficient with computer aided designing software including Auto Cad and Solid Works.
- Experience in CAM programming software, such as Esprit and NX.
- Proficient in geometric dimensioning and tolerancing (GD&T) drafting.
- Knowledge of welding processes as dictated by American Welding Society specifications.
- Excellent inspection skill, experience using various measuring and testing equipment.
- Experience in material properties, proficient in mechanics of materials calculations
- Experience in equipment procurement, validation, and installation.
- High attention to detail, proficient working with tight deadlines without compromising quality.
- Excellent organizational skills, experience maintaining quality control document and accurate records.
- Proven track record of strong decision making excellent critical thinking and positive leadership skills.

## Career Experience

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### Barskdale Control Products

*Los Angeles, CA*

*Jun 2021 – Mar 2022*

#### **Project Engineer**

*Nov 2021 – Mar 2022*

- Part of the Sales & Marketing Team - Project: 80/20 initiatives.
- Assisted Production Dept.

#### **Project Manager**

*Contract – TalentZok (6 months)*

*Jun 2021 – Nov 2021*

- Assisted Sales & Marketing Dept.

## **DMC Power**

Carson, CA

September 2015 – May 2021

### **Quality Manager**

January 2020 – May 2021

- Established and maintained QMS processes, policies, and quality plans to achieve quality targets
- Ensure re-certification of ISO 9001.
- Lead Continuous Process Improvement initiatives
- Liaison to sales department and suppliers to support overall customer satisfaction and product integrity

### **Project Manager**

Project: Manufacturing facility start up.

July 2018 – December 2019

- Project: Manufacturing facility expansion/relocation: New facility start-up in Olive Branch, MS.
  - Liaison between VP of Operation and construction contractors.
  - Working knowledge of manufacturing processes required for successful build of manufacturing facility.
- Effectively communicated with capital asset equipment vendors.
  - Oversaw installation, training and implementation of manufacturing equipment and processes.
  - Implementation of new forging process.
- High use of AutoCAD and Solidworks (CAD software) to communicate project and product requirements.

### **Production Planning / Manufacturing Manager**

October 2017 – June 2018

- Led a production planning / manufacturing engineering team of five employees.
- Created capacity analysis models per equipment/cells
- Maintained equipment maintenance schedules
- Project: (NPD) Tooling Production Line
  - Lead role (manufacturing) in NPD project
  - Work closely with design department to initiate new production line.
  - Created & implemented a dispatch and planning process for production of the new product.

### **Procurement Engineer**

October 2016 – September 2017

- Production planning
  - Allocated resources to satisfy production demand.
- Cost Effective engineering/Value engineering
  - Produce standard cost analysis on product & led cost reduction initiatives.

### **Manufacturing Engineer**

September 2015 – September 2016

- Design and manufactured jigs and set up pieces as required per manufacturing needs.
- Programmer for CNC 3-axis mill machine.
- Maintained and created bill of materials, routing operations and work orders.
- Experience creating shop floor work centers.

## **References**

References are available upon request.