

My name is Nancy Campos and I am a Technical Engineer II at CDG, a Boeing Company.

I was raised in Calexico, CA. and graduated from:

- Blanche Charles Elementary- 2000
- William Moreno Jr. High School- 2003
- Calexico High School- Class of 2006
- University of California San Diego- Structural Engineering, B.S.- Class of 2011

My work experience includes:

- City of El Centro- Public Works Department, Intern- Summer 2010
- PAL General Engineering Inc., Assistant Project Manager- 09/2011-03/2012
- Continental Data Graphics, a Boeing Company, Technical Engineer II- 03/2012-Present.

While in grade school I found myself in love with school and my favorite areas included Mathematics and Science. In high school I began to realize that I could not see myself doing anything that did not involve these two challenging subjects in the future. In 10th grade the MESA program was first established in Calexico High School. I found myself involved in the Egg Drop, Bridge and Mathematics Competition. Through the three years of MESA involvement I came to learn about the science behind these competitions and I grew fascinated and interested in Engineering. I was fortunate enough to win 1st place in the Egg Drop and 2nd Place in the Bridge competition during my high school MESA years.

Applying to college was a bit confusing, deciding which school was the best was not an easy choice. I was accepted to a total of 11 universities: Six Cal States, four UC's, and one private. I chose the University of California San Diego because it had the exact major I wanted to pursue, it is one of the top three UC's, I loved the campus environment, and it is a short drive away from home.

As a Structural Engineer you have the opportunity to work in different areas. You can work for a private firm and design infrastructure such as homes, airports, commercial buildings, education buildings, bridges and any other structure you can imagine. Not only can you be involved in the hands on calculation design but if you have people skills you can be a Project Manager and be in charge of a group of engineers and the contracts department. Due to the similar academic courses and software that Civil, Structural and Mechanical Engineers learn about you can also enter the world of Civil and Mechanical Engineering, which is how I entered my present company.

At CDG we work for the Boeing Company. I am working on the 787-9 Dreamliner airplane. Through the use of 3D Software CatiaV5 I ensure that the correct fastener part names and part numbers are used throughout the airplane structure such as the landing gear, wings, seat tracks, engine, etc. The updated information is then sent over to Boeing headquarters and manuals are printed for the maintenance team to access and follow when assembling each customer airplane.

Final line of advice: Engineering is not easy but it is not hard, if you have a passion to succeed and graduate in a degree that you enjoy where you will be sure to be challenged then this is it. It won't be an easy road but with determination and self will you will be compensated with a job you enjoy, great pay, great benefits, and if you choose the right company, awesome work environment. Remember, it isn't what you can contribute to a company; it is what they can contribute to you as a part of their team. Good luck, never doubt and go get it!

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