

## 2020 ISE Department Jindia Scholarship winner



### Carlos Mendez

Carlos is an international student from Guatemala and expecting to graduate from the BSISE program in May 2021. He also currently has an internship as the Assembly Tool Solutions Specialist at Integrated Manufacturing and Supply, where we assist manufacturing engineers in industry leaders such as Tesla, Western Digital, Northrop Grumman, Proterra, amongst others, on tooling necessary for their manufacturing operations. The company specializes in torque and assembly tools, robotic systems, rivet guns, impact and pulse tools, screw feeders, and ergonomic tool arms.

Carlos says that his objective is to become an industrial engineer specializing in the automobile or space industry. He's also looking into pursuing a graduate career in software engineering or specializing in manufacturing.

Aside from his educational career, he was also involved on campus by being Recruitment Chairman and Vice-President of the Alpha Tau Omega fraternity. He also is currently a member of the Order of Omega, which is an organization that recognizes the top 5% of the Greek Leaders on Campus.

Carlos' hobbies include weightlifting, listening to music, and playing basketball. An interesting fact: Before his weightlifting days, while in high school, he played for the National Basketball Team in Guatemala. Carlos relates that the team went to Hungary "for the FIBA U-18 World Championship. We played against Egypt, Germany, Lithuania, Romania and Andorra. Definitely an experience. We also attended a FIBA World Tour in Mexico. There was no age limit on this tournament and we went with the same team. I am the guy with the glasses and goggles (and the ball)."



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**Mamta Kanda**

Mamta Kanda is a May 2021 graduating senior pursuing her B.S in Industrial and Systems Engineering with a minor in mathematics. She has held leadership roles during her time at San Jose State University as the President of the Institute of Industrial and Systems Engineering Student Chapter and the Vice President of Tau Beta Pi, Honor Engineering Society. Under Mamta's leadership, the chapter was awarded Gold Status and the Most Innovative Chapter Event by IISE Headquarters. Mamta is also a Plant Engineering Intern at Lockheed Martin supporting their Facilities and Operations team.

As the Lead of the IISE student chapter's Community Service Committee (May 2018-May 2019), Mamta worked alongside the other officers to plan events for members and created events such as company tours and informational sessions. This committee organized fundraising events to get the entire IISE Club involved in the local community through bake sales (which resulted in a donation of over \$200 to the Make a Wish Foundation) and a Care Package Drive that created care packages to be donated to the Northern California fire victims. Each care package was filled with essentials, toiletries, and a personalized handwritten note. We also packaged sandwiched meals to give out to the less fortunate in downtown San Jose.

As an Engineering Ambassador during 2018-2019, I mentored first-generation, low-income high school students. She went to various high schools such as Santa Teresa, James Lick, and Oak Grove to help students with their Science Fair Projects and provide feedback on how they can improve their projects and still be within the guidelines set by the competition.

Upon graduation, Mamta would like to work for a few years to gain industry experience and be able to implement the optimization methodologies she earned in the classroom. Soon after, she would like to return to school and pursue a master's degree to further solidify my industrial and systems engineering

background. Through this process, she would like to give back to the community and provide guidance and mentorship to college students in the same ways that I was guided in my college career. Mentorship was extremely valuable to me during my college experience and I hope to continue the cycle of giving back and inspiring others to do the same.

A little-known fact about Mamta: during her free time, she enjoys doing nail art. Mamta writes:

Nail art is a hobby I picked up during elementary school and have been doing ever since. I mainly just do my own nails because it provides me with a creative outlet. Some of the wildest nails I have done are probably when I decided to dedicate my nails to the internships I was engaged in.

This past summer I was at Cisco as a Business Analyst Intern and decided to show my appreciation for my wonderful experience through my nail art (left photo below). I also did a similar concept for my internship at Lockheed Martin (right photo below). I enjoy experimenting with different designs on nails and trying out new techniques and products!

