

# Project Description and Impact on Learning

As a level 3 student in the Engineering Academy, I have a continuing interest in civil engineering issues. I incorporated some of the lessons from the engineering classes, but focused mainly on out of class learning activities. My project was to create an entrance portfolio to use when I applied for the School of Engineering at the University of Florida. I began this project in December and worked on it for 3 months. My best experience was when I interviewed Cape Coral engineers and workers at the Reverse Osmosis Plant and got a real look at what I could do in the future to benefit this area.

1. Enrolled in and maintained an A in the 3 levels of Engineering Academy courses.
2. Researched Geo-thermal heat pump systems.
3. Designed wiring diagram for an AC unit.
4. Visited a Geo-thermal factory in Ft Lauderdale.
5. Visited public works sites and interviewed city engineers.

I have always been aware of how parks and maintained streets and sidewalks have a positive effect on neighborhoods. As a child, one of my friends was hit on a bicycle because we had no sidewalks, and it has become a life-long goal of mine to see that my own home and city does not have this problem. There is only so much you can learn from classroom, computer and textbook lessons. It was when I actually got out into the neighborhood and talked to the people who are responsible for our city's public works that I knew for sure what I wanted to do with my future.