

## STUDENT PROFILES: CLASS OF 2017

### **Jake Montoya**

*Educational background:* Exercise Physiology , Fort Lewis College, CO

*Topic of Capstone Project:* Unilateral Transtibial Amputee Golf Stance

*What got you interested in this topic?*

My interests in golf, adaptive sports, and sports injuries

*Overview of Capstone research:*

By changing the posture in the golf stance of the amputees, we change the moments and can reduce the torsional forces in the socket which are detrimental forces.

*Is this research that you are carrying forward? If so, what are your plans?*

I am aiming to turn this project into an EMU legacy project. The golf stance/swing is very complex. I am also hoping to work with many amputee golfers in the future and continue to research this topic into my residency.



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### **Makenzie Best**

*Hometown:* Grove City, OH

*Educational background:* Biomedical Engineering, Case Western Reserve University

*Interests in the field:?*

I am interested in lower limb prosthetics and working with O&P adaptive athletes.

*Why O&P?*

Initially, I was interested in engineering design and working with my hands. However, I also wanted to work with people and help them directly. The combination of fabrication and patient interaction in O&P has the perfect blend of my interests and is a very rewarding career.

*Tell us about your impressions of the semester:*

I have been enjoying my first few weeks in the O&P program getting to know the other students in my cohort and the second year and our professors. We've been able to start off getting hands on experience in the machine shop almost immediately and have been given an overview of what we'll be learning this semester. I'm excited to get to work on the projects we'll be starting.

