

Transcript

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BIANCA: I am Bianca-Jaye Mazzuchelli. I am doing my Bachelor of Psychological Sciences with a double minor in Criminology and Applied Psychology. My mob is Gunditjmara which is Portland Warrnambool area of Victoria. However, I was born and raised on Bunurong land.

I'm really passionate about working with children that are neurodiverse. So we're talking about autism, ADHD anxiety, and making a more inclusive world for these kids.

So through my time at MTC and Swinburne, I have had the privilege of being a part of some really big and exciting things. I actually won the Swinburne Venture Cup last year, which is set up for entrepreneurs and inventors. So through that, I was able to design, develop, and now keep working on a hearing device that helps children with autism to become more sociable. I developed my device through an assignment, through that did a lot of research on the use of headphones, white noise, and sound and I went well, hang on, there's nothing that actually combines all of this together.

What I noticed was a massive gap in technology when it comes to people who are neurodiverse and use sound to calm themselves. So what it does is disperses white noise through the brain. It looks like a hearing aid, and then from there, it will counteract the over-stimuli that people with autism experience in a social setting.

I now get to work with engineers and Swinburne and MedTech and all these amazing companies to bring this to life. After studying, I hope to go on to my post-graduate degrees to eventually end up with a PhD in Behavioural Studies and Psychology.

My longer term career goals are to continue working with Aboriginal youth that come from complex backgrounds and trauma history, as well as youth who are neurodiverse. So without the Swinburne MTC, I wouldn't have gotten the connections to be able to start working in my career early. Besides that, like, I'm very fortunate enough to actually be working in my field currently, so just continuing on the work that I'm doing there.

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