

# Tec scholarship student to study biomedicine graduate degree in U.S.



Since he can remember, Diego Alonso Quevedo has always had **one dream, to graduate as a professional from Tec de Monterrey.**

Now, he is **about to** achieve that goal and is also getting ready to **break down barriers** in biomedicine.

Diego Alonso has been accepted for **graduate studies** at **four international universities**, the **Massachusetts Institute of Technology (MIT), Stanford University, UC Berkeley, and Carnegie Mellon University.**

The **23-year-old** from Aguascalientes has dedicated part of his life to working on the **research and development** of various medical devices, such as **exoskeletons, 3D-printed skull plates, and muscle fibers.**

Diego Quevedo LDM

Diego Alonso is in the final stage of his Mechatronics Engineering degree at the Monterrey campus.

*"When came to Monterrey, I already knew that I wanted to do research, so I started looking for groups and thinking about what I wanted to research. That was when I discovered **biomedicine**,"* he said.

*"One of these groups was run by Professor **Mario Moisés Álvarez** and Dr. **Grisel Trujillo de Santiago**, where he worked on the development of **muscle fibers** to replace non-functional muscle in people.*

*"I wanted to continue learning, so I switched to something more **biological** by joining both professors. That's where I started from scratch to see how the research group dynamic works,"* he said.

During his career, Diego had the chance to travel to Canada to take part in a research residency program.



## International Vision

In the **summer of 2019**, the soon-to-graduate student was able to travel to Canada to participate in a **research residency program**, where he developed **smart templates** to detect **ulcers** in people with diabetes.

Later that year, Diego **received the news** that he had been accepted on a **research residency program at MIT**, where he developed **3D-printed** patches to treat the heart after cardiac arrest.

*“For the whole of 2020, I was at MIT working on this patch project. The pandemic forced me to stay indoors for three months, which allowed me to develop a **program** that simulates the right ventricle of the heart.*

*“The truth is, I really liked the work I did there, so I decided to study a **graduate degree in Mechanics focused on biomedicine** at MIT with the scholarship they offered me,” he says.*

Diego Alonso pointed out that another of his objectives is to share these advances in biomedicine with the community.



## Learning beyond the classroom

*“If I learned anything from the Tec, it is **to never give up**, to always be persistent,”* said the student.

*“When I first started my degree, I was very motivated to learn, but I didn’t know how to focus. Now, after five years of being on that path, I know what I want to do and how I’m going to achieve it,”* he said.

He added that his main goal is to **develop medical technology** that can be used on patients to improve their quality of life.

Diego said that another of his commitments is **to inspire more students** or work in education to help **more young people** to follow the same path.

*“The Tec isn’t only about taking classes. **It’s an incredible opportunity** that also includes extracurricular activities. I took drawing classes, guitar classes, flag football, dance classes: it’s a comprehensive experience,” he said.*

*“When I first started my degree, I was very motivated to learn, but I didn’t know how to focus. Now, after five years of being on that path, I know what I want to do and how I’m going to achieve it.*

## **Acknowledgments**

Diego took the first three semesters of his degree at the **Aguascalientes campus** and said he was **proud** to have been part of the Tec de Monterrey student community at the **Monterrey campus**.

*“The list of acknowledgments is huge, but I would like to begin by thanking my **parents**, who always supported me and believed in me.*

*“After them, I would like to thank my **friends and my teachers**. I’ve been to many laboratories and at the Tec there are many teachers who support you, who inspire you to achieve your goals,” he said.*

*“Doing all of these interesting things **is not only a personal achievement**,” he added, “but it’s also an achievement made by **all of the people who’ve been there with me along the way**, who’ve supported me. It’s a collective achievement because without them I wouldn’t be who I am now.”*

Diego Alonso obtained the **Leaders or Tomorrow** scholarship, designed for **outstanding and talented young people** whose **socioeconomic status** requires **one hundred percent support in tuition fees** for a **professional degree course or program**.

This **is not a student loan**, and there is an annual **call nationwide**.

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With information from Olivia Ramos.

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