

Name: **Erick Zetina Muciño**
Mobile: 52 1 55 86867462
E-Mail: erickzetinator@gmail.com
GitHub: **Zetinator**



■ Education

Instituto Tecnológico Autónomo de México (graduation date: 12.2018)
Bachelor Mechatronics (GPA: 90/100)

Technische Hochschule Ingolstadt (Germany) as **International student**
Bachelor Mechatronik/Informatik (8.2017 – 08.2018)

■ Work experience

AUDI AG (6.2019 – now)

Ingolstadt, Germany

Software development, Artificial Intelligence

- Training of a **neural network** for the photo-realistic generation of images based on simulated data, will be use to generate realistic scenarios to train using simulations.

AUDI AG (2.2018 – 8.2018)

Ingolstadt, Germany

Software development, Tools/Methods

- Development and training of a **deep neural network** to estimate depth and relative position **based on simulated data**, which was used to feed the audi's main neural networks for autonomous driving with data.
- Simulation of **artificial environments** in **Unity**.

Member of the ITAM Robotics Laboratory (08.2016 – 10.2018)

Mexico City, Mexico

Science Research Intern

- A scaled model of an **autonomous car** as bachelor **thesis** using **convolutional neural-networks** (watch it in action overtaking moving obstacles in my **GitHub**).
- Applications development with **ROS** (Robot Operating System) in **C++** for the control of distributed Processes.
- Implementation and improvement of algorithms of **artificial intelligence** in Self-localization methods using **OpenCV** and **Tensorflow**.

■ Awards

Torneo Mexicano de Robótica (TMR 2017)

Third place at the national level (04.2017)

■ Language skills

Spanish (mother tongue)

German (fluent)

English (fluent) (567 points. TOEFL)

■ Computer Skills

Software: **ROS, Tensor Flow, Linux, Docker, Visual Studio, CMake, Git/SVM, Conan, Jira, Nx, Microsoft Office.**

Programming languages: **C/C++, Python**

Java, Matlab

Javascript, Clisp, VHDL

(3 years experience)

(1 year experience)

(6 months experience)