

JOSE CRUZ CASTELO BELTRAN

Mechatronics and Computer Engineer

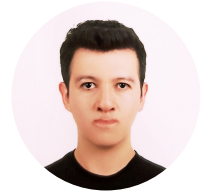
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📍 Seoul, S. Korea

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EDUCATION

M.S. in Computer Engineering - 4.06 / 4.50

Pusan National University

📅 Sep. 2020 – Feb. 2023

📍 Busan, S. Korea

- Specialized in Deep Learning architectures for Computer Vision tasks.
- Research projects on image generation and translation with generative models (GAN)

Intensive Korean Language Program

Chungnam National University

📅 Sep. 2019 – Aug. 2020

📍 Daejeon, S. Korea

Coursework toward M.S. in Software Engineering

Universidad de Guadalajara

📅 Aug. 2018 – Jun. 2019

📍 Guadalajara, Mexico

- Courses: Data Mining, Object Oriented Programming, Software Design, Software Testing, Software Development and Project Management.

B.S. in Mechatronics Engineering - 92.14 / 100

CETYS Universidad

📅 Aug. 2011 – Feb. 2016

📍 Tijuana, Mexico

- Awarded a full scholarship for academic performance.
- Exchange student at Sungkyunkwan University (2014 - 2015)

EXPERIENCE

Systems Engineer

Samsung Mexicana

📅 Jul. 2016 – Sep. 2017

📍 Tijuana, Mexico

- Developed a PCB detection software with OpenCV to reduce scrap.
- Development of modules for the production management software.
- Data scrapping from production machine logs to a centralized database.

Engineering Intern

Westrock (MeadWestVaco)

📅 Oct. 2015 – Apr. 2016

📍 Tijuana, Mexico

- Creation of engineering drawings and 3D models for injection molding.
- Design of fixtures for part measurement and testing.

Manufacture Intern

C&D Zodiac Aerospace (Aerodesign de México)

📅 Feb. 2014 – Jul. 2014

📍 Tijuana, Mexico

- Design of production-line layouts to optimize the workflow.
- Perform time and material studies to determine production capabilities.

ABOUT ME

Dedicated professional looking to engage in innovative projects to apply and expand my technical abilities while solving social problems with the help of modern technologies and applied engineering.

SKILLS & ABILITIES

Pytorch Python Flutter Dart
Vue Java C# GIT LaTeX
Docker NodeJs SQL CAD

Problem Solving Logical Thinking
Collaboration Decision Making

LANGUAGES

Spanish
English
Korean



INTERESTS

A.I. Generative Models
Mobile Technologies Blockchain

EXTRAS

Publications

- **Frequency-Focused GAN Pipeline for Art-like Image Generation.** Korea Computer Congress, Jul. 2022.
- **Assessment of Segmentation Impact on Melanoma Classification Using CNN.** Journal of Computing Science and Engineering. Sep. 2021.

Judges' Favourite Award

Proximity Hackathon

📅 Aug. 2016

PLC Programming Course

Instituto Politécnico Nacional

📅 Nov. 2015