
Gustavo Andrés Salazar Gómez

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Personal data

Name: Gustavo Andrés Salazar Gómez
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Languages: Spanish - Mother language
English - C1 (TOEFL)



Profile

I am a Mechatronics Engineer looking for a thrilling MSc related to Robotics, Intelligent control systems or Artificial intelligence where I can work and research in topics such as Mobile robotics, Aerospace, Computer vision, Machine learning and Deep learning. Also, I am in the last semester of a Postgraduate Diploma in Artificial Intelligence at Universidad Autonoma de Occidente (UAO).

My BEng degree project was entitled 'Object recognition in images using deep learning' where I used transfer learning in order to retrain the last layers of inception-v3 neural network and created new categories from a specific environment under the supervision of Jesus Alfonso Lopez at UAO.

Throughout my academic and professional course, I have participated in projects concerning Automation of processes and industrial control networks, renewable energy systems, instrumentation and electronics, programming, design and 3D modeling, SQL and PL/SQL, classic and intelligent control systems, robotics, artificial neural networks, digital image processing, Machine learning models in supervised learning such as KNN, linear models, linear regression for classification, logistic regression, unsupervised learning such as clustering, dimensionality reduction, unsupervised transformation, feature engineering and Deep learning models. I've worked with platforms such as Azure and AWS to deploy Machine Learning solutions, also using micro-services architectures with tools like Kubernetes, Docker and HAProxy, and I'm still learning much more in an Artificial Intelligence Specialization.

Work Experience

Feb 2019 - Present date: Product Specialist
Open International.

Jan 2018 - Dec 2018: Robotics teacher
Robotica for kids – Cali.

Personal skills:

- Creativity
- Innovation
- Detail orientation
- Adaptability
- Problem Analysis
- Resource management

Technical skills:

- Machine Learning
- Digital Image Processing
- Python(Tensorflow, OpenCV, Scikit-learn)
- Cloud Computing
- Deep Learning
- Object-Oriented Programming

Education

2020 - Present date: Postgraduate diploma in Artificial Intelligence.
Department of Automatic and Electronic.
Universidad Autonoma de Occidente – Cali.

2013 - 2018: BEng Mechatronics Engineering.
Department of Automatic and Electronic.
Universidad Autonoma de Occidente – Cali.

Research Experience

2016 - 2017: *Research area: Design and construction of a scaffold from a biomaterial that serves as support for mesenchymal stem cells (MSC) of bone marrow, for its potential use in the regeneration of the infarcted myocardium of a biomodel.* Research Group in Technologies for Manufacture (GITEM) from Universidad Autonoma de Occidente – Cali.

Distinctions, awards and scholarships

2016: AmeriMex Educational Foundation Scholarship. Amerimex Communications, Roswell, GA, United States of America.

2015: AmeriMex Educational Foundation Scholarship. Amerimex Communications, Roswell, GA, United States of America.

2014: Director's Honor Roll 2014, English proficiency. Language Institute. Universidad Autonoma de Occidente - Cali.

2013: Director's Honor Roll 2013, English proficiency. Language Institute. Universidad Autonoma de Occidente - Cali.

Memberships

2016 - 2017: *Research Group in Technologies for Manufacture (GITEM) from Universidad Autonoma de Occidente – Cali.*

Publications

2019: Springer Communications in Computer and Information Science book series (CCIS, volume 833), Title: Applications of Computational Intelligence, Chapter: Application of Transfer Learning for Object Recognition Using Convolutional Neural Networks (Extended version). Pages: 14-25 (DOI: 10.1007/978-3-030-03023-0).


2018: IEEE 1st Colombian Conference on Applications in Computational Intelligence (ColCACI), Title: Application of Transfer Learning for Object Recognition Using Convolutional Neural Networks, Medellin, Antioquia. (DOI:10.1109/ColCACI.2018.8484856).

Personal References

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