

Andrés Fernando Barón

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Professional Profile

Software Engineer dedicated to improving skills through hands-on learning and development work. I am fluent in a wide array of programming languages used to develop large software projects. Well-organized and collaborative team player with strong communication and analytical abilities. I have proficient knowledge in computational tools such as R and Python applied to machine learning and deep learning computational models focused on business analysis. Complementary studies in English and German.

STUDIES

2022 <i>Bogotá - Colombia</i>	Master's degree in Software engineering. Universidad de los Andes
2021 <i>Buenos Aires -Arg</i>	IT Engineering Backend Program Digital House Coding School
2021 <i>Bogotá - Colombia</i>	MasterTrack Principles of Automated and Agile Software Engineering. Universidad de los Andes
2020 <i>Bogotá - Colombia</i>	Diploma in Big Data and Business Analytics Universidad de la Sabana
2020 <i>Bogotá - Colombia</i>	Mechanical Engineer Universidad de los Andes
2015 <i>Bournemouth - UK</i>	Administration and entrepreneurship in business Beet Language School of Bournemouth
2013 <i>Bogotá - Colombia</i>	High School Diploma (Best student graduated) Liceo Cervantes el Retiro
Languages:	Spanish: Native English: Advanced (C1) German: Intermediate (B1)

WORK EXPERIENCE

Apr.2021 – Current. 2021
Bogotá, Colombia

MercadoLibre
Backend Software Analyst

- Unification of machine learning models with software architectures to serve the trained models on the e-commerce platform, using REST services.

Apr.2020 – March. 2021
Bogotá, Colombia

Serlefin BPO & O
Innovation Engineer

- Construction of robots powered by artificial intelligence to improve the contactability of the company's call center.
- Automation of financial portals using Javascript, C# and Tampermonkey, to improve the experience of customers when making financial inquiries.
- Development of APIs for data acquisition requested by human resources and telecommunications departments. The projects were carried out with MVC architecture pattern and Entity Framework.

Nov.2020 – March. 2021
Bogotá, Colombia

Serlefin BPO & O
Software Engineer

- Developed PCC (Petitions, complaints, and claims) mailing platform which resulted in an efficient and secure application for the customer. The application was developed with Java as backend technology, JQuery and HTML.
- Designed the frontend and backend of the Enterprise Resource Planning, one of the most ambitious projects of Serlefin BPO&O, whose main objective is to unify all the systems and management of the company in a single portal. The project was developed using HTML, CSS technologies and frameworks such as Bootstrap and Vue Js. The server-side part was developed optimally with C# language.

Courses, Seminars and Certifications

- **Big Data Analytics: Opportunities, challenges, and the Future**
Griffit University – Queensland, Australia.
- **Convolutional Neuronal Networks**
Deep Learning.AI
- **IT Ethics**
Charles Sturt University – Bathurst, Australia.
- **SQL for Data Science**
California University – California, United States.
- **Structuring Machine Learning Projects**
Deep Learning.AI
- **Improving Deep Neuronal Networks: Hyperparameter tuning, Regularization And Optimization.**
Deep Learning.AI
- **Programming Foundations with JavaScript, HTML and CSS**
Duke University – Carolina del Norte, United States.
- **Google Cloud Platform Big data and Machine Learning fundamentals**
Google
- **Google Cloud Platform Fundamentals: Core Infrastructure**
Google
- **Entrepreneurship: From business idea to action**
King's College London – London, United Kingdom.
- **Data Analytics for decision making using Excel**
Bond University – Gold Coast, Australia.
- **Introduction to Business Management**
King's College London – London, United Kingdom.
- **Estrutura e Funcionamento das Redes de Computadores**
Google

- **Architecting with Google Kubernetes Engine**
Google
- **Business Futures: Sustainable Business through green HR**
RMIT University – Melbourne, Australia.
- **Building Conversational experiences with Dialogflow**
Google Cloud Platform Certified
- **Introduction to Business Management**
King's College London – London, United Kingdom.
- **Professional Certificate Automation with Python**
Google
- **Learn c# from zero to expert**
Udemy
- **Git + GitHub for Open-source Collaboration**
Coursera
- **Introduction to UML**
Universidad de los Andes – Bogotá, Colombia.
- **Scrum Foundations Professional Certificate (SFPC)**
Certiprof
- **Retrieving, Processing, and Visualizing Data with Python**
University of Michigan – Michigan, United States
- **Python Data Structures**
University of Michigan – Michigan, United States
- **Using Databases with Python**
University of Michigan – Michigan, United States
- **Using Python to Access Web Data**
University of Michigan – Michigan, United States
- **Interactivity with Javascript**
University of Michigan – Michigan, United States

PUBLICATIONS

15 Jun 2020
Bogotá, Colombia

The importance of data and privacy.

El Espectador

Publication in the newspaper El Espectador about the importance and value of data in the digital age.

14 Jul 2020
Bogotá, Colombia

Artificial intelligence among us.

El Espectador

Publication in the newspaper El Espectador, about the contribution of artificial intelligence in our society.

20 Nov 2020
Bogotá, Colombia

Webscrapping to El Tiempo newspaper using Python

Medium

Descriptive project of webscrapping as a tool for unstructured data acquisition.