

Andres Salazar

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Profile:

Master's student at the University of Sussex studying artificial intelligence and adaptive systems. Highly motivated and technology enthusiast electronic engineer. Expertise lies in developing and applying machine learning algorithms and data processing to solve complex problems. Strong technical background complemented by exceptional analytical, technical and communication skills gained through my degree and work experience. Seeking to contribute to software development and machine learning projects with a fast-paced organization.

Education:

2023 – Present. University of Sussex. Artificial Intelligence and adaptive systems MSc.

Modules include:

- Programming through python
- Machine learning
- Adaptive systems
- Intelligent systems techniques
- Image processing
- Applied natural language processing
- Mathematics for complex systems

Programming a wide variety of algorithms that developed important transferable skills including teamwork, problem solving and how to present to an audience.

2015 – 2021. Universidad de Ibague. Undergraduate in electronic engineering.

Modules include:

- Artificial Intelligence
- Industrial automation
- Control and laboratory
- Programming with Python
- Programming with C
- Programming with Java
- Calculus and physics

Work experience:

Lead campus coordinator, Kiwibot, Medellin, Colombia – Ohio, USA, August 2022 – December 2022 (Full time).

- Responsible for the start-up of campus operations (University of Findlay, Ohio, USA).
- Point of contact with the customer at the university.
- Lead the operations and logistics team for the designed area. (Findlay, Ohio, USA).
- Management of the human talent for the execution of the operation.
- Management of the resources available for the execution of the operation.
- Planning and execution of Kiwibot brand at the University.
- Incentivizing the use of the service through marketing campaigns.

- Oversaw the deployment of the robot fleet on campus and around the city.
- Development and administration of the Kiwibot website (Non-code with Shopify and WordPress) at the University.
- Robot fleet maintenance.
- Data area support.

Research assistant, Universidad de Ibagué, Ibagué – Colombia, January 2020 – March 2021

- Research assistant in a project exploring rice crops prediction methods using imaging.
- Processed information related to the yield of a rice crop.
- Defined descriptors for yield prediction based on reflectance and thermographic maps.
- Mapped the defined descriptors and constructed the database for the regression system.
- Developed and validated performance prediction algorithm based on machine learning.

Developed a vast range of communication and technical skills as project management, presenting to an audience, leadership, critical thinking and problem-solving.

Additional skills and achievements:

- Second place winner at Universidad de Ibagué research week as speaker with the research work "Yield prediction system in early stages of rice crops based on multispectral, RGB images and machine learning techniques".
- Multiple participation in the exhibition of electronic engineering works. (Robotic arm, teleoperated car and voice assistant for home automation).
- Extensive IT skills including Microsoft Office.
- Proficiency in Python, Pandas, Numpy, NLTK, Scikitlearn, Git and GitHub.
- Familiar with C++, Java, MATLAB and Linux.
- Completion of the "General training program (cycle 1, 2, 3 and 4B) in Mision TIC programming skills with focus on mobile applications development with an intensity of 800 hours.
- **No** need for sponsorship for the placement period. Student and **graduate** visa cover until 2027.

Hobbies:

- Brazilian jiu jitsu blue belt (four stripes) and part of the team Brighton BJJ School.
- Member of University of Sussex Data science society.
- Recurrently attend Brighton AI meetings.
- Power lifting enthusiast.