

Andres Salazar

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Profile:

Electronic engineer specialized in AI and adaptive systems at the University of Sussex. 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 develop software applications with a fast-paced organization.

Education:

2023 – 2024. 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.

Work experience:

AI and electronics engineer, Eluxevo Limited, Brighton, UK, September 2024 – Present.

- Development of software for novel AI models and algorithms.
- Design of the embedded systems electronics and control software. This includes the control of, and data gathering of, the embedded control system.
- Design and development, including, but not limited to testing, safety, quality, cost and time management, and ethics.
- Ensure that design and development is anchored to the business strategy and target user/stakeholder requirements; determined through research into identifying those requirements, the technology capabilities and limitations, and the project funding budget and timeframes.
- Collaborate with the project team to facilitate the achievement of objectives; identify, reduce and pro-actively mitigate risks; optimize activities to align with the strategic objectives of the business

Lead campus coordinator, Kiwibot, Medellin, Colombia – Ohio, USA, August 2022 – December 2022.

- 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:

- Achieved a first-Class final grade in the master's program in Artificial Intelligence and Adaptive Systems at the University of Sussex.
- Earned a distinction for the master's dissertation, demonstrating exceptional research and analytical skills.
- Extensive IT skills including Microsoft Office.
- Proficiency in Python, Pandas, Numpy, NLTK, Scikitlearn, Git and GitHub.
- Familiar with C++, Java, MATLAB and Linux.
- Proficient in developing and implementing embedded systems, including expertise with Arduino and Raspberry Pi platforms.
- Skilled in cloud computing solutions, with hands-on experience using Google Cloud for scalable and efficient deployments.
- **Graduate** visa cover until 2027.

Hobbies:

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