

ANDRES AGUILAR

Data Scientist

Chicago, IL | aaguilar2100@gmail.com | [LinkedIn](#) | [Github](#)

SKILLS & CERTIFICATIONS

Skills:

-Programming: C++, Python, HTML, CSS, JavaScript

-Software: LabView, Tableau, SolidWorks, Linux, Google Cloud Platform, Docker, Jupyter, Git

-Data Science: TensorFlow, Keras, ETL, SQL, PostgreSQL, Geopandas, Regression, Classification, NLP, Computer Vision, Deep Learning, Time-Series Forecasting, PySpark

Certifications:

Google Data Analytics Certification

10/2021

IBM Data Science Professional Certification

04/2022

EXPERIENCE

Data Science Immersive Fellow

Remote

General Assembly

3/2023-06/2023

- Provide stakeholders in an ACT/SAT tutoring center with data-driven recommendations with data visualizations and statistics.
- Used NLP modeling to identify and classify medical and home related questions posted to 2 distinct subreddits
- Collaborated in a group that developed time-series forecasting, RNN, and CNN models to predict solar radiation levels in Los Angeles in a 24-hour time span.
- Identify safe drone landing zones through the use of state-of-the-art models for semantic segmentation.

Professional Tutor

Des Plaines, IL

Oakton College

8/2022-03/2023

- Instructed over 10 students per semester in 1-on-1 sessions in a range of Math topics that resulted in grades of B or higher.
- Developed strategies to help students with various neurodiversities that students implemented into their studying routines.
- Documented reports on students' ongoing progress and engagement that described an increase of student engagement with the college's learning center by 12%.

Research Assistant

Chicago, IL

University of Illinois at Chicago

6/2019-5/2021

- Developed automation framework, in collaboration with machine shop, to integrate new experiment apparatus with existing systems, increasing data gathering efficiency by 50%.
- Created documentation of experiment procedure and functionality of apparatus design which streamlined collaboration within our group.
- Applied physics theory and C++ data analysis to particle interaction experiment data to evaluate physics hypotheses, that resulted in assertion of our conjectures.
- Wrote weekly reports of ongoing research to university and national physics groups to increase funding for our university's physics group.

Teaching Assistant

Chicago, IL

University of Illinois at Chicago

9/2020-12/2020

- Facilitated interactive class discussions to explain complex concepts to 50 or more students.
- Developed creative problems for students to work on in groups of 4, improving collaboration and communication among peers with a successful completion rate of 90%.

EDUCATION

Bachelor of Science in Engineering Physics

Chicago, IL

University of Illinois at Chicago

6/2019

Master of Science in Physics

Chicago, IL

University of Illinois at Chicago

12/2021

Data Science Immersive

Remote

General Assembly

06/2023