Lucas Jimenez

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EDUCATION

Appalachian State University, Honors College — Boone, NC **January 2023 - May 2026 (Anticipated Graduation Date)**
Bachelor of Science in Mathematics with a Concentration in Statistics
Cumulative GPA 4.0/4.0

University of North Carolina at Chapel Hill — Chapel Hill, NC **August 2022 - December 2022**
Statistics and Analytics Major
Cumulative GPA 4.0/4.0

EDUCATIONAL ACCOLADES

- **University of North Carolina at Chapel Hill Dean's List - Fall 2022**
- **Appalachian State University Chancellor's List - Spring 2023, Fall 2023, Spring 2024**
- **Appalachian State Honors Peer Mentor**

EDUCATIONAL EXPERIENCE

- Presented my mathematical research on **Interpolation using Radial Basis Functions** at Appalachian State University Scholarship Day
- Experienced in **R Studio** from a statistical analysis course where I utilized various statistical methods to optimize prediction accuracy in models
- Developed my programming skills using **Python** in a programming solutions course where I solved a variety of coding problems using the libraries NumPy and Pandas
- Adept understanding of **calculus**, **linear algebra,** and **mathematical proofs**
- Manipulated data in **Excel** to extract valuable business insights

WORK EXPERIENCE

Mathematics Tutor | Cary, NC **August 2021 - June 2022**
- Provide personalized tutoring sessions to high school freshman, tailoring teaching methods and materials to address their specific learning needs and challenges in algebra and trigonometry
- Employ various teaching methods, resources, and technologies to accommodate diverse learning styles and facilitate a dynamic and engaging learning environment.

EXTRACURRICULAR ORGANIZATIONS

The Association of Data Scientists(ADaSci) **2023 - Present**
Member
- Guidance and mentorship from experienced data scientists actively working in the field
- Access to study materials for the **Certified Data Scientist - Associate Level** examination, with an anticipated completion date for the summer of 2025.

CERTIFICATIONS

PCEP - Certified Entry-Level Python Programmer — OpenEDG Python Institute
Online Course - Issued 2024
Certification ID: n3q9.0PNc.GXB7
- Proficiency in universal computer programming concepts, Python syntax, semantics, and adept at executing coding tasks and resolving implementation challenges using the Python Standard Library.
- Extensive understanding and expertise in functional, algorithmic, and procedural programming in Python.

AWS Cloud Practitioner — Amazon Web Services
Online Course & Exam - Issued August 26, 2024
Validation number: 6419d6f6ff4a410585bf08ecf2d646d6
- Adept understanding of core AWS services, cloud architecture principles, and cloud computing best practices, including security, pricing models, and deployment strategies
- Ability to identify and implement AWS solutions that optimize performance, cost, and efficiency.