

# Nicholas Alexander Klos

Orlando, Florida | nicholask39@gmail.com | [734-272-5692](tel:734-272-5692)  
[linkedin.com/in/nicholas-klos-16438422b/](https://www.linkedin.com/in/nicholas-klos-16438422b/) | [nickklos10.github.io/Nicholas-Klos/](https://github.com/nickklos10)

## EDUCATION

University of Central Florida | College of Engineering and Computer Science Orlando, Florida  
Bachelor of Science in Information Technology Summer 2025

- **Relevant Coursework:** Object Oriented Programming, Numerical Calculus, Matrix and Linear Algebra, Data Structures and Algorithms, Machine Learning, Statistics, Operating System Concepts
- **Honors:** President’s Honor Roll, 3x Dean’s List and Vice-President of Italian Society Club
- **Certificates:** Introduction to Generative AI Learning Path by Google, AI Developer Certificate from IBM, TestOut IT Fundamentals Pro

## PROFESSIONAL EXPERIENCE

Florida Solar Energy Center Cocoa, Florida  
Data Scientist & Data Engineer October 2022 – August 2023

- Supported comprehensive data processing through the integration of statistical analysis and **machine learning algorithms**.
- Analyzed performance metrics of solar panels under various environmental conditions using **predictive modeling** and **big data analytics**.
- Collected and managed extensive datasets using advanced **data mining techniques** and **feature engineering**.
- Developed and implemented automated scripts for efficient **time series analysis** and **model optimization**.

PwC Milan, Italy  
Data & Analytics / ML Ops & AI Ops May 2022 – July 2022

- Contributed to back-end data modeling on the Palantir Foundry platform using **deep learning** and **neural networks**.
- Utilized Spark Python API to develop scalable and efficient data structures for a leading Italian bank, enhancing **data flow** and **cloud computing for AI**.
- Specialized in **database management** and **data warehousing** using Oracle and Microsoft SQL Server.
- Ensured robust and secure data storage solutions through industry-standard tools, leveraging **data encryption**, **distributed computing**, and **advanced data modeling techniques**.

## PROJECTS

Treasure Hunt Game | Full-stack Development

- Developed an interactive **web-based** game simulating a treasure hunt, where players navigate a dynamic board to collect items and interact with other players.

Soccer Prediction Model | Machine Learning

- This project involves **scraping data**, **processing the data**, and **building machine learning models** to **predict the standings** for the 2024-2025 Serie-A season.

Chatbot | AI and APIs

- Developed a chatbot that leverages **AI** and **natural language processing** techniques to understand and respond to user queries and user engagement.

## SKILLS

- **Back End** | Java, C++, MySQL, Python, PySpark
- **Front End** | HTML, CSS, JavaScript
- **Python Libraries** | TensorFlow, PyTorch, Keras, scikit-learn, Matplotlib, NumPy, pandas
- **Data Analytics Platform** | Palantir Foundry, Tableau