Rodrigo Salgado Domingos Porto

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EDUCATION:

Princeton University | Bachelor's in Mathematics   *Princeton, NJ | 2023 - 2027*

- Minors: Computer Science, Statistics & Machine Learning, Finance; GPA: 3.83
- Relevant Courses: Multivariable Analysis and Linear Algebra, Probability and Stochastic Systems

SELECTED AWARDS:

- Awarded 2 silver medals at the International Mathematical Olympiad (IMO 22,23).
- Awarded Best Freshman Team overall at the 2023 ICPC Greater NY Regional Contest;.
- Awarded 5 gold medals at the Brazilian Mathematical Olympiad.
- Awarded first place and overall winner at Princeton Computer Science Contest (COSCON Fall 2023)
- Awarded second place overall at Princeton Quantum Coding Sprint Marathon (QuBlitz 2023)
- Awarded the fellowship Tech by the Brazilian organization: Fundação Estudar (2023).

EXPERIENCE:

AI Tiger Trek | Camper   San Francisco, CA | 2024

- A 1-week immersive program sponsored by Princeton University where students travel to Silicon Valley to learn about innovations in AI and disruptive technologies.
- I was 1 of the 15 students selected to the program.

Cornell Quant Fund competition | Captain of Princeton team   Manhattan, NY | 2023 - present

- Led the Princeton team to develop an algorithm to trade European-style VIX Options and SPX Options according to the movements of the VIX and S&P 500 Indices.
- Also developed an algorithm for high frequency trading of bitcoin futures.

Jane Street's First Year Trading and Technology Program |Student   New York, NY | 2024

- Selected to attend the 1-week program where students learn about innovative trading strategies.

Condor Camp | Camper   *Oxford, UK |*2023

- An annual program for highly talented young academics about AI alignment and mechanistic interpretability.
- Wrote two articles on mechanistic interpretability and reinforcement learning:
  - "An analysis – the Deep double descent phenomenon" (here).
  - "A review: The alignment problem from a deep learning perspective" (here)

Hack Princeton | Member of Dev team   *Princeton, NJ | 2023 - present*

- Hack Princeton is the most prestigious student-run Hackathon at Princeton.
- I work developing the Hackathon's website internal statistics page using React Framework and Nextjs 14 server actions.

CLUBS:

Directed Reading Program on Probability Theory | Student   *Princeton, NJ | 2023 - present*

- Relevant topics: Measure Theory, Central Limit Theorem, Law of Large Numbers, Martingales.

Princeton AI Alignment club | Member   *Princeton, NJ | 2023 - present*

- Weekly discussions on the most recent developments in AI.

Tiger Investments | Selected to the Educational program   Princeton, NJ | 2023 - present

- The oldest student-run Investing club at Princeton University

SKILLS:

- Python:
  - Data analysis & Machine Learning: Pandas, NumPy, TensorFlow, Pytorch
  - Quantum computing: Qiskit
- Implementation of algorithms and data structures: C, C++, Java

Languages: Portuguese (native), English (fluent), Spanish (fluent).