

# ADAIR ANTONIO DA SILVA NETO

## OBJECTIVE

Research in Stochastic Analysis, specifically Rough Paths Theory, and its applications in Machine Learning and Finance.

## EDUCATION

|  |                                       |  |                      |
|--|---------------------------------------|--|----------------------|
| PERIOD   | March 2025 — February 2029 (Expected) |  |                      |
| DEGREE   | Doctor of Philosophy, Mathematics     |  |                      |
| UNIVERSITY   | The University of Melbourne           |  | Melbourne, Australia |
| PERIOD   | March 2020 — December 2024            |  |                      |
| DEGREE   | Bachelor of Science in Mathematics    |  |                      |
| UNIVERSITY   | University of Campinas (UNICAMP)      |  | Campinas, Brazil     |
| UNICAMP is often considered one of the best universities in Latin America. |                                       |  |                      |

## EXPERIENCE

|           |  |                  |
|-----------|--|------------------|
| PERIOD    | August 2024 — December 2024  |                  |
| EMPLOYER  | State University of Campinas   | Campinas, Brazil |
| JOB TITLE | Undergraduate Teaching Assistant: Real Analysis (Measure Theory)                                       |                  |
| PERIOD    | August 2023 — July 2024  |                  |
| EMPLOYER  | São Paulo Research Foundation, FAPESP  | Campinas, Brazil |
| JOB TITLE | Undergraduate Researcher   |                  |
|           | Research Title: Malliavin Calculus with Applications to Finance  |                  |
| PERIOD    | July 2022 — June 2023  |                  |
| EMPLOYER  | São Paulo Research Foundation, FAPESP  | Campinas, Brazil |
| JOB TITLE | Undergraduate Researcher   |                  |
|           | Research Title: An Introduction to Stochastic Differential Equations                                   |                  |
| PERIOD    | August 2021 — December 2021  |                  |
| EMPLOYER  | State University of Campinas   | Campinas, Brazil |
| JOB TITLE | Undergraduate Teaching Assistant: Linear Algebra   |                  |
|           | Explaining concepts resulted in a 37-pages text (in Portuguese).<br>Solved problems from the textbook. |                  |
| PERIOD    | September 2015 — August 2021   |                  |
| EMPLOYER  | Municipal Foundation for Community Education   | Campinas, Brazil |
| JOB TITLE | Administrative Agent   |                  |
|           | Data analysis with Excel and Python/Pandas<br>Quantitative reports for accountability                  |                  |

## SKILLS

|                           |  |
|---------------------------|--|
| <b>Computer Languages</b> | Python, MatLab, R, C/C++, Clojure                      |
| <b>Libraries</b>          | Pandas, Matplotlib, Numpy, Scikit-learn                |
| <b>Tools</b>              | GIT, Vim, Emacs, $\LaTeX$ , Microsoft Excel            |
| <b>Languages</b>          | Portuguese (native), English (IELTS overall score 8.0) |
| <b>Other</b>              | Program Design, Analytical Reasoning                   |

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