

# ANDRIAMAROLAHY RABETOKOTANY

- 📍 Antananarivo, Madagascar
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- 🔗 <https://marolai.github.io>

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## SUMMARY

- Obtained a master's degree in AI
- Skilled in maths and python programming
- Interested in computer vision, NLP, and deep learning in general
- Open for a PhD position

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## EDUCATION

- M.S., Artificial Intelligence - AMMI Rwanda** 2020
  - Major: Machine Intelligence
  - Facebook & Google's scholarship recipient
  - Thesis: *Evaluating Modern Unimodal Baselines for Visual Question Answering*
- M.S., Mathematical Sciences - AIMS Senegal** 2018
  - Option: cooperative education
  - Specialty: Big Data & Computer security
  - Thesis: *Robust Machine Learning With Imbalanced Data: Expanding Mixup*
- B.S., Applied Physics - University of Antananarivo** 2015
  - Major: applied physics
  - Thesis: *Acoustic Waves Propagation in Porous Media*
- High school diploma, - Lycée Ambohitrimanjaka** 2011
  - Option: C (scientific)

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## WORK EXPERIENCE

- R&D Scientist, Pulse Madagascar** Jan 2021 - Now
  - Tech watcher
  - AI-powered services designer and developer
- Data science intern, Sonatel Senegal** May - Nov 2018
  - Six months hands-on experience with machine learning
  - Topic: smart identity (image classification + optical character recognition)
  - Grade: distinction

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## WORKSHOP, SEMINAR & CONFERENCE

- SEAMS workshop, Muizenberg (South Africa)** Nov 2018
  - Project design & planning
  - Workspace organization & tools

- Reuse & reusability
- Input & output
- High Performance Computing

### Seminars, AIMS, Mbour (Senegal)

2017

- Entrepreneurship - Innovation - Leadership - Business
- Financial mathematics - Risk measures
- AI Masterclass & Developer Circles Dakar: facebook for developers

### HEPMAD 16, Antananarivo (Madagascar)

2016

- 8th High Energy Physics International Conference
- Topics: QCD and related phenomenology, Physics of hadrons, CP-violation, Searches for Higgs-like bosons and for new physics at LHC

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## GRANTS & CERTIFICATES

- Full scholarship from Google and Facebook for a master's program in artificial intelligence at AMMI Rwanda, 2019.
- Full scholarship for a master's program in mathematical sciences at AIMS Senegal, 2017.
- Certificate of completion from the *Software Engineering for Applied Mathematical Sciences (SEAMS 2018)* workshop held at Muizenberg (South Africa), 2018.

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## INTERESTS & AFFILIATIONS

- **Interests:** computer vision, NLP, deep learning in general
- **Affiliations:** AIMS alumni, Black in AI

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## SKILLS

- **Technical:** maths, python
- **Languages:** Malagasy (Native), English (Good command), French (Good command).

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## REFERENCES

### Prof Joseph Ben Geloun

- University of Paris Nord
- jobengeloun@gmail.com

### Prof Des Johnston

- Heriot-Watt University Riccarton, Edinburgh
- D.A.Johnston@hw.ac.uk