

# 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
  - Re-implementing scientific research with python.
  - develop AI-powered services
- 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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## SCHOLARSHIPS & 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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## RESEARCH INTERESTS & AFFILIATIONS

- **Research interests:** computer vision, NLP, multi-task learning, machine learning
- **Affiliations:** AIMS alumni, Black in AI

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## SKILLS

- **Technical:** python, linear algebra, statistics, ML algorithms
- **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