

# Hajaniaina ANDRIANAVALONA

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## EDUCATION & TRAINING

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**UDACITY, Nanodegree Program** **Oct 2021**  
**React Developer** <https://confirm.udacity.com/DDKJTMUA>

**UDACITY, Nanodegree Program** **Dec 2020**  
**Programing Data Science with Python** <https://confirm.udacity.com/3LJ5GUKD>

### UNIVERSITY OF ANTANANARIVO

*Ecole Supérieure Polytechnique d'Antananarivo*

**Major in Electrical Engineering** **2014 - 2017**

- Master II (ongoing) 2017
- Master I 2016
- License 2015

**Major in Telecommunication** **2014**

- License

**LRN AMBATONDRAZAKA (High School)** **2010**

*Baccalaureat, Minors in Maths and Sciences*

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## PROFESSIONAL EXPERIENCE

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### DYNATEC MADAGASCAR SA, Ambatovy Joint-Venture

**OSISoft PI System Developer** **April 2021 - up to now**

- Web UI for Data entry, send nalco's data to PI, save 10h a week job (*Web internal, PI Web API, React JS*);
- Create new UI for Refinery team customer to monitor critical data in PI, avoid 5% production loss (*html, css*); and
- Improve downtime web UI, hold previous data and date, save 50% time to enter new data (*React, Web Intern*).

**OSISoft PI System Administrator** **2019 - 2021**

- Develop downtime portal to track the up and downtime of the plant, save 20% of unplanned downtime (ASP.net, Javascript, HTML, CSS);
- Develop SMS PI health check and send email and SMS for anomalies, avoid long downtime (Python, Consol App C#);
- Develop PI health monitoring dashboard, avoid data loss; and
- Develop Phyton program sending all bad points by email, alert a data loss.

## **Junior OSISoft PI Admin**

**2018 - 2019**

- Meet customer needs in a consistent manner, closely discussing each individual's needs and how best to meet them;
- Detailed recording of daily support activities and resolutions;
- Telephone support for users to diagnose, troubleshoot and resolve issues;
- PI Software installation and configuration; and
- PI System implementation and performance health check.

## **Control System Technician**

**2017 - 2018**

- Preventive maintenance of all Distributed Control System (DCS) devices;
- Monitoring of remote panel's communication (FO, MODBUS, PROFIBUS, ETHERNET);
- OS system and software installation; and
- PLC Programmer.

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## **SKILLS**

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✓ HTML	✓ Product Manager	✓ Phyton
✓ CSS3	✓ Data Science	✓ Flask API
✓ Javascript	✓ PostgresSQL	✓ Numpy
✓ React JS - Redux	✓ REST API	✓ Pandas
✓ React Native	✓ Material UI	✓ Git & GitHub
✓ AI	✓ Algorithms	✓ Data Scructure

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## **LANGUAGES**

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- Malagasy: first language
  - French: read, spoken and understood
  - English: read, spoken and understood
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## **ADDITIONNAL**

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- Participating in UDACITY Scholarship, Product Manager fundamental;
  - Learning UDACITY, Programming AI with Python.
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