Mamadou Lamine Ndao

Space Systems Engineer (at the end of training)

I'm currently an advanced master student in space systems engineering at the University of Montpellier. In addition to this advanced master, I already had my design engineer degree in computer science and telecommunication with a professional experience of 18 months. I would like to get this internship to put my skills into practice and gain experience.

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github.com/CodaTech 🔘

EDUCATION

Advanced Master in Space Systems Engineering
Polytech Montpellier

09/2020 - Present   *Montpelllier, France*

Courses
- Mission analysis and concurrent engineering
- Product Assurance / Quality Assurance
- Mission analysis and concurrent engineering
- Assembly Integration and testing

Design Engineer Degree in Computer Science and Telecommunication
Ecole Polytechnique de Thies

10/2015 - 09/2020   *Thies, Senegal*

Courses
- Web development
- Computer Networks and Telecommunications
- Data analysis
- English
- Software Engineering and Databases
- Image processing
- Machine learning
- Embedded system

High School Degree
Lycée Demba Diop

10/2012 - 06/2015   *Mbour, Senegal*

CERTIFICATES

Workforce and resource management strategies (YALI) (02/2020 - 03/2020)

Design Thinking (Openclassrooms) (11/2019 - 12/2019)

Project Management (04/2020 - 05/2020)

Java and network programming (02/2018 - 03/2018)

The DevOps methodology (03/2020 - 04/2020)

Optimizing deployments with Docker (02/2020 - 04/2020)

SKILLS

Space systems · English for space · Intellectual property · Orbitography, Space Mechanics, Tracking and Footprint · Payloads and applications · Mission Analysis · Concurrent Engineering Tools · Operations · Radiocommunications and ground segment · Energy & Power System Onboard · Structures & Mechanisms · OACS / propulsion · OBDH · Thermal control system (TCS) · Space project management · Quality management · Operational safety · Metrology · Environmental constraints · AIT · Clean Room Work · Test Benches · Functional and system tests · Environmental tests · Java · Python · C++ · C · JavaScript · MSProject · GantProject · SolidWorks · GMAT · STK (Beginner level certificate) · Eclipse Modeling Frameworks

LEADERSHIP POSITIONS

Mind games commission (10/2016 - 10/2017)
President of the committee

Polytech Informatic Club (10/2016 - 10/2017)
General secretary of the club

Manufacturing laboratory (FABLAB) (10/2017 - 10/2018)
President of the laboratory

Athletics and petanque subcommittee (10/2016 - 10/2017)
President

WORK EXPERIENCE

VP of EdTech
Senecole

03/2020 - 08/2020   *Dakar, Senegal*

SenEcole is an organization dedicated to promoting science and engineering education in Africa for sustainable development through education and capacity building.

Achievements/Tasks

- Work closely with the VP of Finance and Business Development and the President to develop compelling product visions and roadmaps to cross functional teams and the customer base.
- Ensure all product decisions are driven by customer insight and data.
- Lead the end to end development of EdTech products and services from exploration to test, build and launch.
- Track product performance from launch and throughout the lifecycle assessing financial metrics, KPI's and market feedback.
- Recruit, mentor and develop a Product Management team.

Contact: *Sidy - President of Senecole - https://www.linkedin.com/in/sidy-ndao-15a85359/*

Junior Computer Engineer Intern
Gaïnde 2000

04/2019 - 02/2020   *Dakar, Senegal*

A leading company in implementation of dematerialization software in Africa (www.gainde2000.com)

Achievements/Tasks

- Implementation of the mapping of food resources. An application allowing the Senegalese Ministry of Trade and the Senegalese population to view the stores of essential food product in real time in the country.
- Contributing to the establishment of the Guinea YouthConnekt platform, an application of the UNDP (United Nations Development Programme) .
- Contributing to the implementation of the REUSSIR AU SENEGAL platform which is an application of the German foundation GIZ (*Gesellschaft für Internationale Zusammenarbeit*) which aims to help the Senegalese people to be trained, to benefit from funding for their project.

Contact: *Mouhamed Diouf - Managing Director - https://www.linkedin.com/in/mamadou-lamine-ndao-809560120/*

Junior Computer Engineer Intern
ISEP Diamniadio

08/2018 - 02/2019   *Dakar, Senegal*

Higher Institute of Vocational Education of DIamniadio (https://erp.isepdiamniadio.org/)

Achievements/Tasks

- Contributing to the establishment of the ISEP ERP (*Enterprise Ressource Planning).*
- Implementation of the partnership management layer.
- Implementation of the absence management layer.

Contact: *Mor Dioum - Development Manager - https://www.linkedin.com/in/mor-dioum-1aa03114a/*

LANGUAGES

English
B2+

French
C2

Wolof
Mother tongue

INTERESTS

Judo   BasketBall   Music   Scrabble

Travelling