

Franck NIJIMBERE

CONTACT INFORMATION

Email: nijimbere.franck@gmail.com
Website: <https://nijfranck.com/>

ACADEMIC STUDIES

University of Oxford - Big Data Institute, Oxford, UK **2019 – 2022**

Ph.D. Research in Computer Science (Health Data Science CDT)
Thesis: *Resource-Efficient Neural Networks for the Analysis of Chest Pathologies*
Supervised by Prof. Bartek Papiez and Prof. Thomas Nichols
1st Rhodes Scholar from Burundi (Linacre College, 2019)

Morehouse College, Atlanta, Georgia, USA **2014 – 2018**

B.Sc., Computer Science
B.Sc., Mathematics
Thesis: *Approximation Theory: A Bitcoin case study*
Summa Cum Laude, Phi Beta Kappa

PROFESSIONAL EXPERIENCE

GoAgentic.com, *Solo Founder*, London, UK **April 2023 - Now**

Building AI agents for automating high-level functions in enterprise starting with sales.

Light.inc, *Founding AI Engineer*, CPH, Denmark [Contract] **Jan 2023 - Apr 2023**

Built the ML infrastructure for interaction with invoice databases using natural language

Diool, *Machine Learning Researcher*, Remote [Part-time] **May 2022 - Oct 2022**

Developed machine learning based credit risk scoring and management models

NHS Trust, *Health Data Science Intern*, Remote **Summer 2022**

Developed medical imaging models for thyroid cancer detection

Jamii Finance, *Co-founder and CTO - Y Combinator Finalist*, Remote **2018-2021**

Built a digital, automated, and smart financial portfolio robo-advisor for East Africans

Coursera, *Software Engineering Intern*, Mountain View, CA, USA **Summer 2017**

Consolidated and migrated the profile data of 24M+ of users from MySQL to Cassandra

Goldman Sachs, *Software Engineering Intern*, SLC, UT, USA **Summer 2016**

Built from scratch a new ticket tracking tool for the Infra group

Google, *Software Engineering Intern*, Mountain View, CA, USA **Summer 2015**

Enhanced significantly the Google Street View's hard drive scanning system

TEACHING

King Saud University - OxMedica - Riyadh, Saudi Arabia **Summer 2022**

Taught a 3 weeks long AI and Big Data Course

University of Oxford, Department of Computer Science **Apr 2022 – June 2022**

Led a term long Distributed Systems Tutorial

Morehouse College, Department of Mathematics **2015 – 2017**

Tutored Calculus, Linear Algebra, Partial Differential Equations and Numerical Analysis

AWARDS	Rhodes Scholarship	2018
	Code2040 Fellowship	2017
	Petit Institute Engineering Scholarship	2017
	NSBE Code Success Scholarship	2017
	Goldman Sachs Scholarship For Excellence	2016
	Rugari Scholarship - Full Ride Scholarship at Morehouse College	2014

LEADERSHIP	Partnerships Lead, Oxford AI Society , Oxford, UK	2022 - 2023
	Develop new partnerships with nonprofits and academic organisations	
	Partner, Rhodes Incubator , Oxford, UK	2019 - 2020
	Supported student founders at different stages of their ventures	
LEADERSHIP	Lead, Morehouse Computer Science Club , Atlanta, GA, USA	2016 - 2018
	Prepared students for software engineering interview success	
LEADERSHIP	President, Morehouse Math Club , Atlanta, GA, USA	2014 - 2015
	Organized and coordinated activities of the club	

SELECTED CONFERENCES

MICCAI 2021, ICLR 2019, SCALE 2017, ICSE 2016

SKILLS

CS Domains: LLM Compression (Efficient Inference for LLMs), LLM AI agents, Machine Learning, Distributed Systems

Research: Neural Network Compression, Efficient Deep Learning, Learning Representation, Computer vision, Medical Imaging, Risk Scoring and Predictive Modelling

Databases: MySQL, Cassandra, MongoDB

Programming Lang: Python, Kotlin, C++, Javascript, Java, Scala, MATLAB, Bash

ML Frameworks: Pytorch, Tensorflow, Numpy, Pandas, Gym

Human Languages: English (Fluent), French (Native), Kirundi (Native)

Big Data Technology: AWS, Azure, Google Cloud, Spark, Hadoop

Version Control: Git, SVN
