

IKECHUKWU COLLINS

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EDUCATION

University Of St Andrews

Sept 2021 – Present

MSc (Hons.), Artificial Intelligence

Loughborough University

Sept 2015 – July 2018

BSc (Hons.), Mechanical Engineering (1st Class)

EXPERIENCE

Sankore Investments

AI Research Engineer

Oct 2020 – Aug 2021

- Redesigned an investment bot system to give users access to the capital market and alternative investment instruments using various social media platforms, thus improving user engagement by 20%.
- Spearheaded the development of an analysis tool to provide more insight into the fixed income market to improve investment decisions and trades.

Intern, Artificial Intelligence Unit, Innovation Team

Dec 2018 – Oct 2020

- Designed a text extraction tool for validating user information using images of national identification documents to speed up KYC processes.
- Upgraded chat bots for various commercial banks to provide more financial services to clients.

Signal Alliance Limited

Intern, Software Department

July 2016 – Sept 2016

- Gained knowledge on various programming languages such as HTML, GNU Octave and Python.
- Conducted competitive analysis for technological solutions and improvements for a pension management platform.

Intern, Accounts Department

July 2015 – Aug 2015

- Migrated company invoices, purchase orders and other transactional data to Microsoft Dynamics NAV to improve business processes.
- Reconciled financial accounts using bank statements and implemented solutions to ease the collation of receipts and invoices.

PROJECTS

Overcoming 3D Printing's Greatest Weakness

Oct 2017 – May 2018

- Implemented using Excel and Visual Basic.
- Customizes microstructures for ASTM D638 samples and generates GCODE for 3D printing.

Computer Aided Design Manufacturing and Testing

Feb 2017 – June 2017

- Optimize a lightweight acrylic bracket to support a predefined load while satisfying a common set of conditions
- Initial testing score in the 85th percentile and final testing score in the 94th percentile.

PERSONAL DEVELOPMENT

Coursera

Deep Learning Specialization, Deeplearning.ai

July 2018 – Sept 2018

- Five course specialization covering introduction to neural network and deep learning, convolutional neural networks, hyperparameter tuning, ML sequence models and structuring ML projects.

Machine Learning, Stanford University Online

Aug 2016

- MOOC Course providing a broad introduction to machine learning, data mining, and statistical pattern recognition.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

Java, Python, JavaScript, MATLAB.

OTHERS

Tensorflow, Spring, Django, Flask, Scikit Learn, Rest API, Microservices, Git, Linux, OpenCV, D3.js, Siemens NX.

VOLUNTARY EXPERIENCE

STEM Ambassador, Wolfson School of Mechanical & Manufacturing Engineering, Loughborough

- Volunteered for the 2016 FIRST Lego League National Competition targeting children with interest in robotics.
- Volunteered for RoboGals 2018 events focused at increasing the number of females studying engineering at a tertiary level

REFERENCES

Available on request.