Chidubem Iddianozie

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Education

University College Dublin, Ireland — **Dublin, Ireland**
PhD in Computer Science — *Jan. 2018 – present*

- **Topic:** Data-driven Semantic Inference for Geo-spatial data **Supervisors:** Professors Gavin McArdle & Michela Bertolotto.
- **Relevant Coursework:** Big Data Engineering, Deep Learning, Spatial Information Systems, Outreach and Communication, Research and Innovation.
- **Outreach:** Paper at the 34th ACM Symposium on Applied Computing (SAC), Cyprus – 2019; Poster at the Applied Machine Learning Days (AMLD) Conference, Switzerland – 2019; NeurIPS Conference, Montreal – 2018; Doctoral Forum at ECML PKDD, Dublin – 2018.

University of Southampton, United Kingdom — **Southampton, United Kingdom**
M.Sc. Computer Science – 2.1 — *Sept. 2016 – Sept. 2017*

- **Relevant Coursework:** Machine Learning, Data Mining, Open Data Innovation, Business Strategy, Implementing Cybersecurity.
- **Thesis:** Image Abstraction for Transmission Systems.

University of Jos, Nigeria — **Jos, Nigeria**
B.Sc. Computer Science – 89% — *Sept. 2010 – Sept. 2014*

- **Relevant Coursework:** Algorithms and Data Structure, Structured and OOP, Artificial Intelligence, Computer Graphics and Digital Design, Discrete Mathematics, Advanced Calculus, Numerical Analysis, Linear Algebra, Philosophy and Logic, System Modelling and Simulation.
- **Thesis:** An Efficient Admissions Framework Using the Modified Knapsack Model.

Scholarships and Awards

- **BAI Travel Grant** – To attend the NeurIPS conference in Montreal, Canada — *Dec. 2018*
- **UCD-CS PG Scholar** – Awarded a fully-funded research scholarship for 4 years valued at €120,000 — *Aug. 2017*
- **Max-Planck-Gesellschaft Travel Grant** – To attend The Cornell, Maryland, Max-Planck Summer School — *Aug. 2017*
- **Chevening Scholar** – Awarded a fully-funded master's scholarship worth £35,000 — *Sept. 2016*
- **Top Graduate** – Graduated with the highest GPA and third highest CGPA (Class of 2014) — *May 2015*
- **Federal Scholar** - FG Scholarships for high-performing Undergraduates valued at €2000 — *Sept. 2013*

Research Experience and Outreach

- Paper titled "*A Transfer Learning Paradigm for Spatial Networks"* presented at SAC 2019 — *April. 2019*
- Poster titled *"AI and Cities: Enriching Urban Spaces with Sensory Data"* accepted at AMLD 2019 — *Jan. 2019*
- Attended the 32nd NeurIPS Conference — *Dec. 2018*
- Presented at the Doctoral Forum of ECML-PKDD — *Sept. 2018*

Work Experience

IBM Research, Ireland — **Dublin, Ireland**
Research Intern — *June 2019 – present*

- Research on AutoML for time-series sensor data

University College Dublin, Ireland — **Dublin, Ireland**
Senior Teaching Assistant — *Jan. 2018 – present*

- Assist module coordinators teach a class of approx. 150 students the theory and practise of programming using C and C++.
- Organise and oversee programming lab sessions, handle student queries and supervise 20 demonstrators.
- Received excellent reviews and promoted to Senior TA after one year.

Bright Talk, London — **London, United Kingdom**
Data Scientist — *Oct. 2017 – Jan. 2018*

- Contracted to develop a content recommendation system and carry out a company-wide data audit.
- Successfully completed goals. Output of the data audit was a dynamic flow diagram that keeps track of all data stakeholders.
- Later appointed to be on a team that designed modalities for GDPR compliance.

Ordnance Survey, Southampton **Southampton, United Kingdom**
Data Mining Intern *June 2017 – Sept. 2017*

- Interned in the Business, Change and Innovation Group. Goal was to develop value-added solutions using predictive modelling.
- Implemented an algorithm for subgraph matching on large graphs, adopted from state of the art and developed in python and C.
- Presented my work to upper management using excellent visualization techniques developed with D3.

IBM, Southampton **Southampton, United Kingdom**
BIP Consultant (Placement) *Nov. 2016 – May 2017*

- Hired as a student consultant for the highly competitive IBM Business Innovation Programme (BIP).
- Primary assignment was to consult for businesses in the Hampshire area to enhance business delivery using IT solutions.
- My team developed an effective business plan to our client. The plan was adopted, and we received high commendation.

Federal Ministry of Education, Jos **Jos, Nigeria**
Research Associate *2015 – 2016*

- Federal funded research to investigate the effectiveness of using tangible interfaces to teach maths for early stage students.
- I doubled as Senior Programmer and Liaison officer and worked with two of my lecturers on this project.

ICT Complex, University of Jos, Jos **Jos, Nigeria**
Systems Engineer II *2014 – 2016*

- Started as a student engineer and promoted to graduate systems engineer upon graduation.
- Worked with team that developed and maintained the University LMS codebase (PHP, SQL, JS) serving 30k staff and students.

Skills & Interests

Languages/Technologies: **Highly Proficient** in Python, Java, R, Javascript, D3, Leaflet, Scala, Hadoop, Apache Spark, Git, SQL, NoSQL, Oracle Spatial, Neo4J. I **teach** C, C++. **Familiar** with Dart and Django. I **work** on Predictive Analysis, Network Analysis, NLP, Machine Learning, ETL, Graph Mining, Business Intelligence. **Top** competitor on Kaggle and Driven Data.

Professional Organizations: IEEE, ACM, GitHub Campus Expert, Black in AI (BAI), Computer Professionals of Nigeria (CPN), Cisco Certified Network Associate (CCNA)

Other interests: I engage actively in music and belong to several choral groups, performing from classical to contemporary. I have also led as Choirmaster, including organizing practice sessions and planning performances. I love running and keeping fit. I train at the University gym.