



IFEANYI IZUEGBUNAM

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Jetage Networks
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RESEARCH INTEREST

Induced seismicity associated with hydraulic fracturing or water injection

EDUCATION

BEng Liaoning Petrochemical University, China, Petroleum Engineering June 2022
7.26 out of 10
Thesis: Bore Structure Design of No.13 Horizontal Well in Block 2 of Tarim Oilfield
Advisor: Zhaoxuan Li

WAEC Christ The King Seminary, Nigeria, Sciences June 2011
Distinction
Subjects studied: Economics, Geography, English Language, Igbo Language, Mathematics, Agricultural Science, Biology, Chemistry, Physics, Literature in English
Advisor: Nwanneka Ngwu

Master's Degree in view Montanuniversität Leoben, Austria Production Engineering
Strong interest in Geochemistry and sustainability.

RESEARCH EXPERIENCE

MODELING OF A TRAIN

PROJECT | 1 YEAR, 2017 - 2018 |

MODELING AND CAD

- Study of the installation of an electric/hybrid motorization of a train
- Heavy usage of CAD software CATIA v5, to reproduce industrial drawings
- Finished 3D Model to start dynamic simulations

UNDERGRADUATE RESEARCH

LIFT MEASUREMENT RESEARCH PROJECT | 1 YEAR, 2019 | FLUID MECHANICS

- Making of different wing profiles, to test them in a wind tunnel
- Profiles were chosen according to the industrial uses
- Measurement of the lift force, and comparison of the profiles
- Computer simulation of the experiments, on a specialized software (XLFR5)
- Simulation showed similar results compared to the experiments - The results confirmed each profile's industrial use

REALISATION OF A SELF- DRIVING LAWNMOWER

PROJECT | 6 MONTHS, 2020 |

ROBOTICS

- Conception, construction and programming of an automatic lawnmower
- Conception on SolidWorks, Programming on Arduino (close to Java and C)
- The robot was successfully built, and functional

CONCEPTION OF A HYDROELECTRIC TURBINE

PROJECT | 6 MONTHS, 2021 |

HYDRAULICS

- Conception of a DNA shape turbine
- Modelling on computer on SolidWorks in order to 3D-print it
- Calculation of the theoretical electric output of the turbine Experiments were made to verify the calculation

Research Assistant

Liaoning Petrochemical University, Fushun |Laboratory Technology| 2020-2021
Cabinet | 2020

Advisor Name: Dr. Cai

- Internship to discover the job in a cabinet
- Work as an assistant for 4 months Designing on CAD software (AutoCAD)
- Microsoft Office – it helped me got familiar in dealing with norms and laws when designing

HONORS AND AWARDS

First Prize Scholarship, Award Liaoning Petrochemical University, China	2021-2022
Certificate of Training Charisfield Associates Teacher Training Programme	2016
Diplôme D'études en Langue Française A2 Diplôme D'études en Langue Française	2014
Certificate of Participation (SPE Quiz Competition) LSU – Society of Petroleum Engineers	2019
Certificate of Participation Golden Heart Foundation (National Youth Summit) School of ICT & Media	2016
Certificate of Appreciation ANSIC Fushun Constitution Review	2020
Certificate of Excellence Public Relations Officer- Association of Nigerian Students in China, Fushun Chapter	2020

WORK EXPERIENCE

JETAGE NETWORKS,	Java Developer	Jul '22 - Current
<ul style="list-style-type: none">• Write JSP and Servlets to add functionality to web application based on customer requirements• Develop UIs with JSP, JavaScript, HTML and CSS• Use J2EE design patterns to create application, including utilizing EJB for business logic• Create and execute test cases in JUnit for unit testing of application• Mentor, Technovation Girls (School) – Our Lady's Secondary School, Nnobi		
BOWLS & POTS by MAYKAY,	Sales/ Kitchen Assistant	Sept '24 – April '25
<ul style="list-style-type: none">• Assisted in sales three to four times a week• Answer calls to take in orders• Help in setting the dishes• Cutting and placing of vegetables and other kitchen related tasks• Take in person orders• Carry out some kitchen errands• Make inventories of stock (both old and new)		

CANA FAMILY SERVICE CENTER, Volunteer Jul '19 – Aug '19

- The left-behind children care project volunteered to serve the education activities of left-behind children in Guanling
- In the process of service, I was loving and patient with children
- Proactive, with a sense of mission and responsibility
- Strong organizational and coordination skills
- Completes the assigned tasks well
- Strong sense of community, good relationship with peers, emphasis on cooperation and communication

ORIGIN WORKS & SERVICE LTD, Technical Director Mar '16 – Sept '18

- Understanding written and verbal project briefs, and working alongside team members to develop plans, work schedules, and targets
- Streamlining processes so that the business operates at maximum efficiency
- Analyzing operations and providing cost-effective suggestions for improvement
- Keeping up-to-date with advancements in the field
- Writing up reports and presenting findings to the relevant parties

PICK THAT TRASH, Java Developer Intern Aug '12 - Jul '13

- Developed new application and added functionality to existing applications using Java/J2EE technologies
- Utilized object-oriented programming and Java for creating business logic
- Created RESTful APIs for increased scalability of the application

Publications

Journal Publications

Izuegbunam, I.F., Students Industrial Work Experience Scheme (SIWES) Sci. Bulletin Vol 1 no. 1, 2017, pp-9

Izuegbunam, I.F., Adebote, O.S. Sweat for Peace – The peacemaking principle Bulletin 1 Wednesday, September 6, 2017

Conference Papers

(Abstract-Reviewed)

Izuegbunam, I.F., The effect of fuelwood consumption at Iyiocha River carbon sequestration site, NOUN Study Center, Asaba, Nigeria Feb. 22-25, 2017, pp. 10

PRESENTATIONS AND INVITED LECTURES

Paper Presentation

Izuegbunam, I.F., The Effect of Fuelwood Consumption at Iyiocha River Carbon Sequestration Site, NOUN Study Center, Asaba, Nigeria Feb. 22-25, 2017, pp. 10

Izuegbunam, I.F., Illustrating President Xi Jinping's Educational Philosophy, Fushun, China, Dec. 13, 2022

Izuegbunam, I.F., Horizontal Well Drilling Technology, Liaoning Petrochemical University, Fushun, China, Dec. 2, 2021

Invited Lectures/Talks

Mentoring and Technology: Teachers' Qualification App (TQA). Solving the problem of having unqualified teachers throughout schools and colleges in Nigeria. May 1-19, 2023

Career opportunities for international Students. Careers Resource Symposium organized by the Society of Petroleum Engineers (SPE). Jan, 29, 2019

PROFESSIONAL DEVELOPMENT TRAINING

Workshop

Teacher Training – Teach Computer Science, STEM & STEAM, Nathaniel Brown, June 18, 2023

Elementary Teacher Training by ABIE Training Institute Jan 12 – 17, 2021, Shanghai, China

Stepping on the Chinese Bridge Experience Chinese and Welding Skills – sponsored by Xi'an Aeronautical Polytechnic Institute June 20 – July 1, 2022

Seminars/Webinars

AI with Coding. GitHub Copilot and ChatGPT May, 11 2023 by the American International University (AIU)

Expert talk – Green Impact – West Balkan (What is happening in the green energy market in the 6 countries of the region?) by Mr. Mario Ortner – Tu Wien Austria, June 27, 2023

PROFESSIONAL AFFILIATIONS

Member, Technovation Girls'	2023-present
Member, Society of Petroleum Engineers (SPE)	March 2021-present
Member, Autodesk Research Community	2022-present

PROFESSIONAL SERVICE

Peer-Reviewed Articles for:

- Constitution Review, Association of Nigerian Students in China -ANSIC Fushun
- International Journal of Pathogen Research
- Journal of Advances in Oil and Gas Research

COMMUNITY SERVICE

Pick That Trash, Nigeria

2012-2013

Trash hater

International College, Petroleum and Gas Engineering, Liaoning

Petroleum University, Fushun, PRC

2020-2021

Mentor the undergraduate students online via Tencent for Curriculum

Design of Reservoir Engineering

Founder: Jetage Networks

2020-Present

Scholarship and funding opportunities platform for undergraduate, graduate, postdoc and faculty

Founder: Inkwell Competitions

2021-Present

Founder, provide mentoring for prospective graduate school applicants

LANGUAGES

Igbo: Mother tongue, Distinguished levels in Listening, Speaking, Reading, and Writing.

English: Advanced levels in Listening, Speaking, Reading, and Writing.

French: Intermediate levels in Listening, Speaking, Reading, and Writing.

Mandarin: Intermediate levels in Listening, Speaking, Reading, and Writing.

German: Intermediate levels in Listening, Speaking, Reading, and Writing.

OTHER SKILLS AND COMPETENCES

- Java/J2EE (Android Studio), HTML/CSS, AngularJS, SQL (beginner), Python (Object Oriented Programming)
- Agile methodologies
- Asset Integrity Management Software System (Oil and gas field)
- TechLog, Petrel, ComFin, Salome, OpenFOAM
- Microsoft Office (Word, Excel, PowerPoint, OneNote)
- AutoCAD, Blender (3D), Photoshop, Game Development with Unity

OTHERS

Mentoring students on career paths and public speaking

REFERENCES

Dr Zhaoxuan Li,

Department of Drilling and Completion Engineering

Liaoning Petrochemical University

No. 1 Dandong Road,

Fushun, Liaoning, P.R. China

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Relationship: Graduation Project
(Thesis) for Undergraduate of
LNPU Supervisor

Mr. Ojiuba. O.N.,
Christ The King Seminary
Nkpor Road, Nnobi, Anambra,
Nigeria
+2348069270967
Relationship: Principal

Mr. Wang Shuaibo,
Office of Students' Affairs
Liaoning Petrochemical University
No. 1 Dandong Road,
Fushun, Liaoning, P.R. China
113001
+8602456865880
Relationship: In charge of Students' Affairs Office

Dr. Tao You
Senior Scientist
Montanuniversität Leoben
Dept of Geoenergy Production Engineering
tao.you@unileoben.ac.at
Relationship: Advisor (Literature Review Project)