

Arthur Uzoma

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EDUCATION

Bachelor of Science in Computer science

University of the People • Pasadena, California • 2021 • 3.84

- Received Dean commendation letters for dedication and hard work in pursuing academic excellence.

EXPERIENCE

Computer Science Instructor

Moncordel International Schools

September 2025 - Present

- Develop and implement data-processing lesson plans and notes for teaching database management and modeling, using MS Access to strengthen senior secondary students' practical learning.
- Facilitate interactive computer science practical sessions for junior secondary classes, guiding students through exercises in number-system conversion, spreadsheet management, and programming fundamentals.

Smart Contract and Software Developer

Sui Blockchain(Sui on Campus Development Club)

February 2025 - August 2025

- Architected secure smart contracts on the Sui blockchain using the Move language, creating custom on-chain assets, defining tokenomics, and building core logic for decentralized applications (dApps) and Non-Fungible Tokens (NFTs).
- Managed the full lifecycle of decentralized projects, from initial concept and local environment setup to rigorous testing and deployment, while overseeing deployment scripts and ensuring on-chain stability and performance.

A.I/Machine Learning Engineer

Renaissance Innovation Labs

September 2024 - January 2025

- Developed and deployed a machine learning model, decoding handwriting scribbles to increase predictive accuracy by 35%, utilizing easyOCR library and Python, while collaborating with interdisciplinary teams to innovate solutions from ideation to business formation.
- Created an API accepting natural language queries, processes the queries using NLP models, generates SQL queries, runs on a connected database, and returns results in different formats, such as text, charts, or tables.

Data science Intern

Hamoye AI

March 2024 - August 2024, Virtual

- Engineered predictive models by utilizing Python libraries such as NumPy, pandas, and scikit-learn, achieving a 15% increase in model accuracy through iterative optimization and validation processes in Forecasting Antimalarial Drug Needs.
- Pre-processed data utilizing predictive models, Python and ensemble learning models, achieving 85% accuracy in forecasting outcomes across multiple datasets in predicting electricity demand and supply gaps: SubSaharan Africa vs Other continent regions.

Presiding Officer

Independent National Electoral Commission

September 2022 - April 2023, Nwangele, Imo State

- Received and inspected all materials and the Bimodal Voter Accreditation System equipment for election and ensured the security, particularly the sensitive materials, such as the BVAS machine, ballot papers and result forms.
- Managed a team of election assistant officials to facilitate smooth execution of voting processes, ensuring compliance with electoral guidelines in vote counting and results announcement.

Networking and Hardware Maintenance Assistant Instructor

Rivers state ICT center

February 2021 - May 2021, Rumuomasi, Rivers state

- Delivered lectures during four orientation sessions for 15 - 20 new Codegaminators program cohorts at Tech Creek(Rivers State ICT).
- Assisted with recommending, scheduling and implementing system hardware maintenance and/or software upgrades.

Software Development & Design Intern

PrimedSoft Limited

January 2019 - July 2019

- Spearheaded a front-end development team by improving the development team's performance, from 20 bugs/month to 3 bugs/month, enabling the team to win the best development unit award.
- Responsive development lead of an online poll and vote management system - PrimedPoll, with the results of the simulation used to inform the campaign of potential election outcomes and voting trends.

INVOLVEMENT

Volunteer

Edith Nwosu Healthcare Foundation • June 2025 - Present

- Assisted in effective delivery of medical care during an outreach event at Owerri Correctional Center, treating over 400 inmates, addressing a range of prevalent health concerns such as malaria, open sores and other kinds of infectious diseases.
- Coordinated distribution of medical supplies and foodstuff aids during outreach programs, ensuring supplies reached those intended efficiently.

CERTIFICATIONS

Data Structures and Algorithms in Python

DataCamp • 2023

- Familiarized myself with data structures like linked lists, stacks, queues and graphs to implement algorithms like Depth First Search, Breadth First Search, Bubble sort, Quicksort, practicing that to decks of cards, music playlists and stacks of books, and coming to grips with "Big O Notation".

SKILLS

Languages: Python, Git, Vim, C, HTML, CSS & TypeScript, Expressjs, Nestjs, Sui Move.

Hard & Soft Skills: Information Theory, Machine Learning, Collaboration & Critical thinking.

Tools: VSCode, Jupyter Notebook, Matplotlib, Pandas, Cable crimping, Configuration of Network environment.