Watson Agbramu

SOFTWARE ENGINEER

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Portfolio   **LinkedIn**   **Github**

EXPERIENCE

Filament AI, Toronto, Ontario — *Full-Stack Developer*

JANUARY 2022 - PRESENT

- Deployed and created a customized API to cater for client's BRIE chatbot needs using Node Js, Express JS, and EBM
- Designed database schema, Created API endpoints and built a client facing application using React JS, Knex JS, MySql, Express JS for Rising Academy.
- Created an optimized automated python script to aid data processing and table extraction from pdf using Python, Numpy, Pandas, tabula-py, and Camelot-py.
- Integrated custom JavaScript and CSS files to cater to clients' needs on an EBM chat widget.
- Mentored interns towards completion of their capstone projects, providing regular feedback.

Divergence Neuro, Toronto, Ontario — *Web Application Developer*

AUGUST 2021 - DECEMBER 2021

- Worked with the backend team towards integrating API endpoints to develop a client-facing application using React JS, AWS.
- Enabled PWA compliance and integrated service workers to enable fallback to cache.
- Integrated QR scanner and Bluetooth using React JS for connecting the Neurosity device.

Neo Financial, Calgary, Alberta — *Software Developer*

JANUARY 2021 - AUGUST 2021

- Designed logic to create credit statements to be sent to Symcor for printing using Node, React, AWS, Terraform, Typescript, GraphQL, MongoDB, Jest.
- Implemented code to send declined transactions to third-party API (Fraud Net) and store the response using Node, AWS, Typescript, Terraform, MongoDB, and Jest.

University of Waterloo, Waterloo, Ontario — *Data Scientist*

SEPTEMBER 2019 - DECEMBER 2020

- Created a dog breed classification model with Python using transfer learning on fine-tuned Inception-Resnet-V2 and Efficientnet-80 architectures obtaining an accuracy of 92.18% and 85.38% respectively on 120 dog breeds.
- Proposed new annotations for a subset of INRIA person dataset using Label-Img Software to improve detection performance by over 20%.
- Performed Data Augmentation using Python and trained Faster RCNN using Inception-Resnet-V2 and Resnet-50 as backbone architecture on pedestrian images obtaining an average performance of 89.6% and 86.0% respectively.

EDUCATION

University of Waterloo, Waterloo, Ontario — *MEng*

SEPTEMBER 2019 - DECEMBER 2020

- Master of Engineering in Electrical and Computer Engineering, **Distinction**
- Certificate in Business and Entrepreneurship (Conrad School of Business)

Federal University Oye-Ekiti, Oye-Ekiti, Ekiti State — *BEng*

FEBRUARY 2013 - JANUARY 2018

- Bachelor of Electrical and Electronics Engineering, **First Class Honours**

SKILLS

- Javascript (ES6), Typescript, Python.
- HTML, CSS, Node JS, React JS, Redux, Express JS, GraphQL, Jest
- Numpy, Pandas, Scikit-Learn, Matplotlib, TensorFlow, Keras.
- MongoDB, MySQL, PostgreSQL.
- Git, Linux, Heroku, Agile (Scrum)

PROJECTS

Crown Enterprise Application

- An e-commerce website created using Express JS, React JS, Redux, SCSS, etc.

Natours Application

- A full-stack server-side rendered e-commerce application for booking tours built using Express JS Pug, CSS, MongoDB, etc.

Mailer Application

- Designed a customer feedback application using Express JS, Passport JS, React JS, Redux, CSS, MongoDB Stripe, etc.

ShareMe Aplication

- Built a full-stack social media application for sharing, saving, and downloading pictures using React JS, Tailwind CSS, Sanity IO, etc.

LEADERSHIP AND AWARDS

- Best Overall Graduating Student for the 2016/2017 academic session (Federal University Oye-Ekiti Prize).
- Faculty of Engineering Best Student - 2016/2017 academic session (J.A Soremekun Memorial Prize).
- Represented the Faculty of Engineering (FUOYE) to give a lecture on safety practices in the workplace at FUNAAB.
- Represented the Faculty of Engineering (FUOYE) at a project exhibition at Afe Babalola University, Ado-Ekiti.

CERTIFICATIONS

Coursera: Python Data Structures, Using Python to Access Web Data, IBM Exploratory data analysis for Machine Learning.
Data Camp: Data Manipulation with pandas, Python Data Science Toolbox (Part 1 & 2), Introduction to Data Visualization with Matplotlib
LinkedIn Learning: React.js Essential Training, React.js: Building an Interface.