

# Watson Agbramu

## SOFTWARE ENGINEER

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[Portfolio](#) [LinkedIn](#) [Github](#)

## EXPERIENCE

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

JANUARY 2022 - PRESENT

- Designing and creating ETL pipelines using Azure Data Factory, Azure Functions, Azure SQL Database, and Azure blob storage to transform clients' data from multiple data sources.
- Building a financial service tool to cater to CIM extraction and generate deal sheets from financial data using Node Js, React JS, Flask, Machine Learning, and GCP.
- Deployed and created a customized API to cater to clients' BRIE chatbot needs using Node Js, Express JS, EBM, and GCP.
- Designed database schema, Created API endpoints, and built a client-facing application using React JS, Knex JS, MySql, and 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.
- Mentor interns on projects and be better developers, 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 the 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, AWS, GCP, Azure, 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 Application

- 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.