

John Agyapong Boamah

Windsor, Ontario, Canada

Tel: (+1) 519-965-8117

Portfolio website: <https://johnboamah.netlify.app> Email: joboa2015@gmail.com

GitHub: <https://github.com/Joboa> LinkedIn: <https://www.linkedin.com/in/john-boamah-103929153>

StackOverflow: <https://stackoverflow.com/users/15483024/joboa>

EDUCATION

Master of Applied Science in Mechanical Engineering

2022 – Present

University of Windsor, ON

Average: **85.5**

Bachelor of Science in Mechanical Engineering

2015 – 2019

Kwame Nkrumah University of Science and Technology, Ghana

Cumulative Average: **72.67**

SKILLS

- Languages: HTML5, CSS, JavaScript, Java, NodeJS, Python, MATLAB, Ruby, SQL, Solidity and TypeScript
- Frameworks: Bootstrap, Express, Flask, Django, React, Ruby on Rails, Spring Boot, TailwindCSS
- Databases: PostgreSQL, MySQL, and MongoDB
- Version Control: Git

WORK EXPERIENCE/ TRAINING/ WORKSHOPS

Full-stack Development

Jun. 2019 – Jul. 2019

Aces Code Hub, Ghana (**Bootcamp**)

- Learned how to build reusable UIs with React
- Built a REST API with Python/Django and Django REST Framework
- Deployed an application to Heroku.

REST API Development

Aug. 2021 – Sep. 2021

Turntabl, Ghana (**Mentorship program**)

- Introduced to Java Programming and Spring Boot Framework
- Learned data structures such as Arrays.
- Built a REST API with Java and Spring Boot

AI Programming with Python

Aug. 2021 – Dec. 2021

Udacity Nanodegree Program

- Learned how to use NumPy, Pandas, Matplotlib and PyTorch.
- Learned the basics of algebra and neural networks and its important in the world of AI.
- Developed an algorithm to identify dog breeds using a pre-trained image classifier.

Full-stack Developer

Mar. 2022 – Jun. 2022

Altdeck.io (**Contract**)

- Developed a reusable UI with React
- Built a REST API for products with Ruby on Rails and Python/Flask
- Integrated third-party API's which include Google-ReCAPTCHA
- Developed a responsive web application using Tailwind CSS and Material UI

Smart Contract Development

Jun. 2022 – Jul. 2022

Encode Club (**Solidity Workshop**)

- Introduced to TypeScript and Solidity programming languages.

- Learned smart contract API development.
- Learned API integration of a smart contract with Frontend.
- Built a smart contract as project work.

OPEN-SOURCE CONTRIBUTION

As a contributor to the open-source framework IVY, I implemented complex number functions using NumPy. This involved creating new functions that returned the imaginary and complex parts of complex numbers. IVY aims to bring together various machine learning frameworks, including TensorFlow, Jax, and NumPy, under a unified platform.

Contributions (2023):

1. <https://github.com/unifyai/ivy/pull/10461>
2. <https://github.com/unifyai/ivy/pull/10483>