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# DANIEL IGBOKWE

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Experienced Machine Learning Engineer with over 2 years of expertise in developing tailored AI solutions, specializing in leveraging TensorFlow and Azure AI to optimize user experiences and operational efficiencies.

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## WEBSITES, PORTFOLIOS, PROFILES

- [linkedin.com/in/daniel-igbokwe](https://www.linkedin.com/in/daniel-igbokwe)
- [fiery-journal-423323-j1.lm.r.appspot.com](https://fiery-journal-423323-j1.lm.r.appspot.com)
- [redux.portneuf.cose.isu.edu](https://redux.portneuf.cose.isu.edu)

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## SKILLS

- TensorFlow
- Azure AI
- Machine Learning
- Computer Vision
- Neural Networks
- Natural Language Processing
- Feature Engineering
- Model Development

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## EXPERIENCE

**Machine Learning Engineer**, 01/2023 - Current

**Center for Advanced Energy Studies** – Idaho Falls, ID

- Led team of 4 engineers in integrating machine learning algorithms to develop an intelligent sampling method, resulting in 64% decrease in model error rate.
- Developed interactive dashboards in Azure to visualize data analytics, boosting stakeholder engagement by 25%.
- Optimized machine learning workflows on Azure, reducing computation times and costs by 20%.

**Software Engineer**, 01/2022 - 12/2022

**Computational Creativity and Intelligence Lab** – Pocatello, ID

- Collaborated on API development of interactive web tools to facilitate solving of complex computational problems.
- Improved server response times and system efficiency through optimized algorithms and data structures, reducing response times to under 300 milliseconds.
- Worked with data scientists and customer feedback to enhance chatbots response accuracy and relevance 25%, enhancing user experience across all digital platforms.

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## PROJECTS

- Developed a web application that employs deep CNNs to diagnose plant diseases from real-time images, significantly enhancing decision-making tools for farmers.
- Engineered and deployed a computer vision system that monitors crop health, to deliver actionable insights and improve yield predictions.
- Designed and trained a CNN to recognize state identifiers from car plate numbers, significantly improving accuracy and processing speed, implemented in TensorFlow lite.

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## EDUCATION

**Master of Science in Computer Science**

**Idaho State University** - Pocatello, ID

**Bachelor of Science in Computer Science**

**Idaho State University** - Pocatello, ID

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## CERTIFICATIONS

Azure AI Engineer Associate, 2024

TensorFlow Developer Certificate, 2023-2026