

Allan Wandia

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Professional Summary

Open-source software engineer specializing in quantum computing and machine learning solutions, with demonstrated expertise in 6 projects combining Fast-API, Qiskit, and PyTorch frameworks

Work Experience

Open Source Software Development *GitHub, Frederick, Maryland*

July 2022: Present

- **QSolvers**

- Leveraged Qiskit and Python for custom algorithm optimization
- Faced upstream issues that limited accessibility, but project is available on GitHub
- 20 stars, 7 forks, 90 visitors, 23 unique viewers as of 10/9/2024

- **Auto-API**

- Open-source API designed for integration with PyTorch Lightning
- In process of finalizing endpoints and drafting integration tests
- Automates 85% of standard ML workflows for production environments

- **Book-Keeping Application**

- Leveraged Fast-API and Python for custom algorithm optimization
 - Implemented CRUD functionality, gained practical RESTful API knowledge
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Skills

- **Languages:** Python, JavaScript, C, Rust, Node.js
 - **Tools:** Git, VS Code, Web-pack, NPM, Postman
 - **Frameworks:** Fast-API, React, Node.js, TensorFlow, Qiskit, QuTiP
 - **Cloud/DevOps:** AWS, Docker, Kubernetes, GitHub Actions
 - **Data Science & Quantum:** PyTorch, PyTorch Lightning, Qiskit, QuTiP
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Education

Associate of Arts,

Graduation Date: Sept 2024

Montgomery College, Germantown, Maryland

High School

Graduation Date: June 2021

Greensteds International School, Kenya, Nakuru

Key Certifications

- Fast-API: The Complete Course 2024 (Udemy)
 - Python Data Structures & Algorithms + Leet-code Exercises (Udemy)
 - Deep Learning: Advanced NLP and RNNs (Udemy)
 - Docker & Kubernetes: The Practical Guide (Udemy)
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Achievements

- Top 10 in World Scholar's Cup Global Round (Age 16)
- NASA Space Apps Challenge participant: Developed space image sonification application