

Erioluwa Olajorin

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EDUCATION

Fisk University | Nashville, TN

GPA: 3.645

Bachelor of Science in Computer Science, Minor in Music

Expected: May 2027

Honors: Erastus Milo Cravath Presidential Scholar, W.E.B. Du Bois Honors Scholar

Relevant Courses

Data Structures and Algorithms, Natural Language Processing, Machine Learning, Statistics, Calculus I & II

TECHNICAL SKILLS

Languages: Python (PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib), C#, TypeScript

Frameworks/Libraries: React, ASP.NET Core, Entity Framework

EXPERIENCE

Redgate | Software Engineering Intern

June 2025 - August 2025

C#, ASP.NET, React, SQL Server

Cambridge, England

- Worked on Monitor Sales Escalation team, delivering broadly applicable features from customer feedback.
- Epic lead for large email alert overhaul, upgraded from zero diagnostic data to 400KB displayed directly in email.
- Co-developed an enhanced remote access system, scaling SSH port support for database hosts from 1 to 65,535.
- Facilitated stand-ups and retrospectives, presented completed features to 50+ engineers and leadership.

Curenetics | Machine Learning Intern

June 2024 - July 2024

Python, Scikit-learn, Pandas, NumPy, Matplotlib

London, England

- Built COVID-19 mortality prediction models using logistic regression and random forests with 90% accuracy.
- Implemented and evaluated multiple ML algorithms (SVMs, decision trees, random forests) with Scikit-learn.
- Communicated model insights and findings effectively to non-technical stakeholders.

PROJECTS & HACKATHONS

Hobbyist | C#, ASP.NET Core, React TypeScript, PostgreSQL

September 2025 - Present

- Developing a web platform for collectors to trade collectibles through barter-based exchanges.
- Building React TS frontend with TanStack Router for type-safe routing, TanStack Query for efficient server state management and optimized data fetching, and Material UI.
- Designing ASP.NET Core REST API with service layer separation for dependency injection and testability, and Entity Framework for code-first migrations.
- Implemented CI/CD via GitHub Actions for automated testing across .NET and Node.js environments.

ATS Resume Scorer | Python gRPC, Transformers, PyTorch, NLP, Protocol Buffers

October 2025

- Developed full-stack web application that analyzes resumes against job descriptions to provide match scores.
- Designed gRPC service with Protocol Buffers for efficient communication between backend and ML microservice.
- Implemented NLP pipeline using transformers for text extraction, semantic analysis, and keyword matching.
- Designed data persistence layer to store user resumes and job descriptions for historical analysis and referencing.

Fisk-Belmont Social Justice Hackathon – 1st Place | Computer Vision, Object Detection

March 2025

- Proposed kiosk system converting trash to transit points to solve traffic and litter issues.
- Used YOLO for computer vision proof-of-concept to verify technical feasibility and cut costs.
- Presented solution and cost analysis to judges, addressing technical and scaling questions.

Spotify Gesture Controller | MediaPipe, OpenCV, Spotify API

March 2025

- Built Python application using MediaPipe for real-time hand gesture recognition with OpenCV.
- Mapped gestures to media controls like play, pause, and volume adjustment through Spotify API.
- Enabled hands-free music control to reduce distractions and improve accessibility.