

# OLUWATOSIN JOEL AJAKAYE

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## EXPERIENCE

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### Consulting Mentorship Program, Accenture

June 2023 — August 2023

- Engaged in a mentorship program focused on technology and finance at Accenture.
- Actively attended workshops on technology and finance and participated in case studies.
- Acquired hands-on experience and deepened understanding in the intersection of technology and finance.

### Intern, Vitract (biotech)

May 2023 — August 2023

- Undertook an internship at Vitract to contribute to web optimization (nodejs/javascript) and data analysis.
- Reduced monthly instance request costs by 47% through web and server hosting optimization.
- Utilized SWI-Prolog to parse and merge data, then used python to properly test implementations.

### Information Technology Intern, Nahco Aviance

April 2021 — July 2021

- Embarked on an IT internship at Nahco Aviance, responsible for IT systems setup and website development.
- Set up and maintained IT systems, developed backend API for event services, and enhanced website security.
- Managed company IT systems, developed backend API for event services, and implemented website security measures.
- Established reliable IT infrastructure, facilitated online event services, and enhanced website security against potential threats.

## EDUCATION

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### Carleton University, major: Software Engineering, minor: business and mathematics

2021 — 2023

- Relevant coursework:
- Introduction to software engineering
- Object Oriented Software development
- Data Structures and algorithms

### American Public University

2023 — 2026

### Vector Institute: AI workshop student

2023 — 2023

## PROJECTS

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### ETL Data Pipeline for financial data analysis (ongoing project)

- Collaborated a team to develop a data pipeline for retrieving financial data from the Quandl Dataset at predefined intervals.
- Utilized PySpark for efficient data processing and employed Plotly to generate informative visualizations.
- Defined data retrieval intervals, designed data processing workflows, and implemented visualization features.

### Open AI API code Refractor

- Developed an AI-powered tool using Open AI API, tensorflow and python to refactor code, enabling simultaneous analysis of multiple code parameters.
- Investigated code quality metrics and identified potential areas for improvement, leveraging AI algorithms.
- Produced a tool that enhanced code quality, identified optimization opportunities, and improved overall codebase efficiency.

### Expense tracking app (project name: Charted)

- Developed a comprehensive financial analysis and recommendation app for iOS, using swift, swiftUI and xcode. Focusing on user-friendly design and personalized insights.
- Designed a user-friendly interface, integrated calculation algorithms, and provided personalized insights.
- Developed the app iteratively, integrated calculation logic, and implemented python test scripts to properly test the application's functions

## SKILLS

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- **Programming languages:** Java, python, C, Swift, R, SQL ,JavaScript , CSS, HTML, PHP
- **Soft skills:** Problem solving, teamwork, Collaboration, Consistency, Leadership, Communication
- **Software Tools:** Xcode, RStudio, Jupyter Notebook, Git, REST API, JSON
- **Engineering techniques:** Unit testing, Test-Driven Development (TDD), Agile Methodologies, Code review and Collaboration, Design Patterns, Debugging proficiency, documentation.

## HOBBIES AND INTERESTS

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- Volunteered as a mentor for freshmen at the University, guiding and supporting newcomers in their academic journey.
- Joined ColorStack, where I gained technical knowledge and expanded my professional network by actively engaging in workshops and networking opportunities.
- Enjoy playing the piano, finding solace in its melodies during leisure hours and occasionally showcasing my skills professionally.
- Engage in tennis recreationally, finding joy and relaxation on the court.

## ADDITIONAL INFORMATION

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- Attended the NVIDIA 2023 SIGGRAPH conference.
- Successfully Integrated a high-performance GPU into my gaming setup to elevate gaming performance and graphics quality.
- Actively participated in coding challenges, competitions, and hackathons, honing problem-solving and development skills.
- Successfully finished online courses on Coursera in Programming, Data Structures, Machine Learning, Advanced Algorithms, and Operating Systems strengthening fundamental computer science understanding.