Leoul Gezu

International Student, Aspiring Software Engineer

Personal Site

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EDUCATION

Washington University in St. Louis

B.S in **Computer Science** — GPA: **3.97/4.00**
Graduating May 2024

Relevant Coursework: Object-oriented Programming, Data Structures and Algorithms, Parallel and Concurrent Programming, Systems Software, Prob/Stats, Data Science, Technical Writing

WORK EXPERIENCE

MasterCard, O'Fallon, MO — *Software Engineering Intern*

June 2022 - August 2022

- Designed, developed and deployed new RESTful services that interact with ETL architecture based on business needs shared by data science and warehouse teams
- Updated and managed existing API services and Swagger UIs
- Led growing efforts to increase data privacy and security measures and prevent breaches by exporting data domains and tagging sensitive data
- Maintained over 90% unit test code coverage across projects and participated in code reviews in an Agile environment

PROJECTS

OlinCounts – React, Node(Express), MongoDB

March 2022

- Designed and pitched a modern approach to head counts and space management for Library Management at WashU
- Applied modern UI/UX principles for a clean user experience and connected APIs for automated spreadsheet generation and count management

File Sharing Site – EC2, HTML/CSS, PHP, mySQL

January 2022

- Built a file sharing site that supports uploading, viewing and deleting files across multiple users
- Implemented a secure login system making considerations for FIEO and SQL injections and with passwords salted and hashed

Adaptive ML Image Classification – Python, Matlab

September 2021

- Achieved an 80% accuracy score by developing a k-means clustering algorithm from the ground up to classify digits from an MNIST dataset including an adaptive filter that reduced noise and flagged outliers

TECHNICAL SKILLS

Languages:

 Java, Python, JavaScript, Arduino C, PHP, C++

Web and Mobile Development:

React, Node(Express), Spring Boot, Maven, mySQL, MongoDB, Swift

ML/Data Science:

Sci-kit Learn, numPy, Pandas, Matplotlib, Matlab

Other:

Agile, Rally, Confluence, Version Control (Git), Swagger, Postman, JUnit, Mockito, AWS, Apache

LEADERSHIP/EXTRACURRICULARS

ColorStack - Active Member

WashU NSBE - Active Member

Peer Mentor - WashU Dual Degree
- Assisting in providing a structured orientation and welcome for incoming CS students

Co-President - ENACTUS
- Led the local chapter of the national non-profit ENACTUS
- Designed and built websites for small businesses in the QC area

INTERESTS

AI/ML, Quantum Computing, Open Source, Engineering Leadership