

Divine Uzuoku

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Summary

Detail-oriented and analytical intern with a strong background in quantitative analysis, software development, and operational support. Proven ability to enhance financial models through Python programming and actively contribute to system reliability by identifying and resolving bugs. Experienced in collaborating within agile teams and utilizing Microsoft tools to streamline processes and improve efficiency. Passionate about applying analytical skills to support business activities and drive effective risk management solutions.

Link

www.linkedin.com/in/divine-uzukwu-96b1b1223

<https://divineuzukwu.github.io/resumewebiste/>

Experience

Quant developer

Citibank (Citi) • budapest, budapest

06/2024 - Present

Tools Used:

PyCharm,PyTest,Anaconda,Flask,Elastic Search,SQLite,Incredibuild,BitBucket,TeamCity

Achievements and Tasks:

- **Financial Modeling:** Developed and maintained financial models using Python, applying quantitative methods to enhance accuracy and performance in alignment with operational risk policies.
- **Risk Assessment:** Participated in identifying system or process weaknesses within financial models, proposing resolutions that mitigate exposure to operational risks.
- **Quality Assurance:** Conducted thorough testing using PyTest, identifying and resolving bugs, ensuring robust software performance that aligns with governance standards.
- **Collaboration:** Engaged in agile ceremonies, collaborating with team members to groom user stories and ensure all tasks were actionable and testable.
- **Bug Resolution:** Actively identified and resolved bugs, ensuring smooth system operations and maintaining high-quality software performance.
- **System Maintenance:** Contributed to system maintenance by implementing updates and optimizations, significantly improving overall functionality.

Achievements:

- **Efficiency Improvement:** Enhanced CI/CD pipeline efficiency through the use of Incredibuild, significantly reducing build and test times.
- **Training and Development:** Completed training on financial markets and derivatives, deepening understanding of financial risks and modeling practices.
- **Operational Insight Contribution:** Engaged in analyzing processes to identify inefficiencies, contributing to continuous improvement and ensuring alignment with organizational standard

IT intern

Aveon offshore limited • River state Nigeria.

07/2023 - 09/2023

- Provided technical support to end-users, effectively troubleshooting hardware and software issues to ensure minimal downtime.
- Installed and configured Microsoft 365 applications and other software, enhancing user productivity and system efficiency.
- Leveraged Microsoft Excel for tracking and analyzing support tickets, generating comprehensive reports, and managing information effectively.
- Developed presentations using Microsoft PowerPoint to communicate technical information and project updates to team members and stakeholders.
- Utilized Microsoft Teams for collaboration and communication with team members, facilitating smooth project execution and knowledge sharing.
- Created user guides and documentation for Microsoft tools to assist end-users in maximizing their software usage.

Education

Computer Science Engineering

University of Debrecen • debrecen, hajdu-bihar

12/2024

4.5/5 gpa

Relevant Coursework: Object-Oriented Programming, Software Engineering, Database Design (SQL, XML), Web Development

Technical skills

EXPERIENCED LANGUAGES: JavaScript, Java, Python, C, C#, MATLAB, HTML/CSS, MYSQL

DEVELOPER TOOLS: Git, Azure, React, Node.js, Maven, Docker, Kubernetes, Postman, Microsoft Excel, BitBucket, TeamCity, Microsoft word, Microsoft excel, Microsoft PowerPoint, Incredibuild, Anaconda, SQLite, Elastic Search

FRAMEWORKS: Linux, MVC, Springboot, JPA, JUnit, Hibernate, SAP Agile, Scrum, AWS, Flask (for web development), PyTest (for testing)

CORE COMPETENCIES

- **Analytical Mindset:** Strong ability to link data points and analyze operational risks to drive informed decision-making.
- **Communication:** Excellent written and verbal communication skills, facilitating clear presentations of complex ideas and findings to diverse teams.

Certificates

JPMorgan Chase & Co. Quantitative Research Virtual Experience Program on Forage - October 2024

- Completed a simulation focused on quantitative research methods
- Analyzed a book of loans to estimate a customer's probability of default
- Used dynamic programming to convert FICO scores into categorical data to predict defaults

Citi Finance Job Simulation on Forage - March 2024

- Completed hypothetical tasks as part of Citi's Finance team
- Summarized movements in key performance indicators for senior management
- Reviewed minimum capital adequacy ratios for operating units and calculated the risk-weighted asset's value using the FRB's methodology
- Analyzed the potential impact of Omicron on 2022 credit card sales

- Created a PowerPoint for the Country Treasurer team and CFO summarizing financial risk triggers
 - Used Java to build an internal tool visualizing stock market risk in real time
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Projects

Password Manager Application (Thesis)

- Developed a secure password manager with Python, employing encryption techniques and ensuring user data protection.

Recipe Book Web Application

- Led a team in developing a full-stack application using React and Node.js, integrating Microsoft Teams for collaboratio
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Languages

English, German, Hungarian