Gilles Wilfried Bassole

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EDUCATION

Bowie State University (BSU) — Department of Computer Science, *Bowie, MD*
Master of Science in Computer Science *May 2019*
GPA: 3.90 / 4.00

Relevant Coursework: Operating Systems, Networking, Adv Database Design, Machine Learning, Artificial Intelligence, Embedded Systems Design

Towson University — Department of Computer & Information Sciences, *Towson, MD*
Bachelor of Science in Computer Science *Dec 2014*
Relevant Coursework: Software engineering, Data Structures algorithms, Statistics, Simulation Modeling

SKILLS

Programming: Proficient in Java/OOP & Design Patterns, SQL, Python, C++, shell scripting, Matlab, Mathematica, R
Platform/Cloud: Linux, Windows, MacOS, AWS, Azure devops, Github, Bitbucket
Framework/Testing: Maven, Selenium, TestNG, jUnit, Spring, REST API
Languages: Fluent in English and French

EXPERIENCE

3CLogic, Inc, *Rockville, MD*
Technical Support Engineer - II *Nov. 2019 – current.*

- Debugging web client issues reported to identify errors and prepare bug reports
- Generating and parsing as well as Converting json xml documents using Python
- Writing SQL scripts daily to run reports, analyzing data sets and log files to produce permanent solutions for recurring application issues.
- Breaking down source codes and SQL stored procedures to detect and resolve bugs in our software products.
- Collaborating closely with Software Engineers and Product Managers to assist solve complex application problems and support issues.
- Identifying improvements to processes and seeking innovative ways to improve customer satisfaction.
- Taking ownership and monitoring support requests to ensure a timely resolution and ensuring Service Level Targets for Case Response times are met.
- Documenting Updating Knowledge Base upon resolution of issues resolved

Bowie State University / Autonomous Technologies Lab, *Bowie, MD*
Research Volunteer *Sep. 2018 – Aug. 2019*

- Duties included exploring and researching wireless networked autonomous mobile robot with HAWK animated head system (sputnik3), improving robot collision avoidance features, remote monitoring and tele-operation
- Managed GitHub repositories and permissions, including branching and tagging
- Built and deployed Docker containers to improve team workflow, increasing scalability, and optimizing speed
- Created and maintained fully automated CI/CD pipelines for code deployment using Azure devOps and PowerShell
- Automated build and deployment using Jenkins to reduce errors and speed up production processes

College of Engineering and Architecture, Howard University, *Washington, DC*
Graduate Lab Assistant *Nov. 2016 – Jan. 2018*

- Wrote scripts to automatically update system components and control printer usage
- MySQL Database design project to keep track of lab materials and supply.
- Prepared a detailed weekly reports and summary to supervisor in a timely and effective manner.

PROJECTS

Query Optimization module
Guide: Linux, Java, SQL, Query optimization, Cost based estimation

Designed and implemented a simple query optimization module with a graphical user interface in java. Program goals is simulate a query processing system and rewrites query into optimal format and creates a query tree in graphical form

Research Project: Chess Game implementation - AI
Guide: Linux, Java, Min-max algorithm w/ alpha beta pruning

Implemented a Chess game and AI player using the min-max algorithm with alpha beta pruning.

Web Project
Linux/Ubuntu, Git, Jenkins, Automation

- Managed GitHub repositories and permissions, including branching and tagging
- Created and set up ubuntu virtual machine on Azure with Nginx server
- Automated workflow with Jenkins in order to ease execution