Cassandra Brown

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EDUCATION

TENNESSEE STATE UNIVERSITY   **Nashville, TN**
- *Master of Science in Computer Science: Cyber Security and Networking, Summer 2018*
- *Bachelor of Science in Computer Science, May 2016*
- *Doctoral Candidate Computational Sciences, Fall 2024 GPA: 3.50*

PROFESSIONAL EXPERIENCE

TENNESSEE STATE UNIVERSITY   **Nashville, TN**
Adjunct Professor Computer Science Dept.   *January 2019 – May 20*
- Prepared curriculums for: Introduction to Computer Science, Computer Programming I & II and Engineering Programming.
- Designed courses to advance students understanding the basics and introductions to computer science and programming.
- Introduced students to computers, their basic hardware components, computer operations and categories, system application software and computer networks, computer programming and related topics
- Provided students with a clear understanding of computers and their applications.
- Maintained professionalism and classroom management within a diverse student population.

CATHEDRAL OF PRAISE CHURCH   **Nashville, TN**
Audio Visual Manager   *March 2017 – May 2021*
- Overseeing media and technology related activities within the church.
- Enhance the technology experience at Cathedral of Praise through sharing education, knowledge, teamwork and collaboration.
- Maintaining organizational structure of the media department.
- Develop media features for services and events that require extensive planning and coordinating.
- Complete Media volunteer, recruitment and training sessions.

RESEARCH INTERN   **Washington, DC**
Naval Research Laboratory HBCU/MI Internship program   *Summer 2017*
- Created two functional web pages that display the necessary data for predicting coronal mass ejections.
- Participated in discussions related to the research topic.
- Worked closely with assigned mentor with gathering and reading data pertaining to CME and geometric storms.
- Attended a host of graduate seminars, tours, and workshops that gave insight on chosen a career in research and pursuing a master or PhD degree in a stem related field.

ACCENTURE TECHNOLOGY NASHVILLE DELIVERY CENTER   **Nashville, TN**
Software Engineering Associate   *June 2016 - Dec 2016*
- Performed software testing of client products and provided QA feedback for review.
- Communicated with local and offshore team members to coordinate completion.
- Created and executed automated software test plans, cases and scripts.
- Documented software defects using bug tracking system and reported defects regarding product functionality.
- Worked closely with management to understand client specifications.

ADDITIONAL SKILLS/QUALIFICATIONS

- **Technical Skills:** Agile Software Development Life Cycle, C++ (Intermediate), C# (Advanced), Linux (Intermediate), Python (Novice), Pytorch, Machine Learning, Java (Advanced), Open CV, HTML(Fundamental), CSS(Fundamental), JavaScript(Fundamental), JIRA Issue tracking product, SQL, SQL Alchemy, Mongo DB (Novice), GitHub, Docker (Fundamentals), Jupyter Notebook, Visual Studio Code, Android Studio (Fundamental), .Net, VSCode, , OpenMP, Testing
- **More Skills:** Ability to explain complex concepts in a clear concise manner. Ability to ask prominent questions and respond with accurate information. Ability to review, report, and research prominent resources while providing essential results. Ability to work well in a team environment with a focus on knowledge sharing, critical thinking, problem solving, communication, creativity and research. Capable of producing high quality outputs with minimal daily supervision. Small and large group leadership and flexibility. Innovative problem-solver who can generate workable solutions and resolve complaints.

COMMUNITY / LEADERSHIP

- POTUS fellow at Tennessee State University that emphasizes preparation, matriculation, and completion of doctoral STEM programs.
- HiBridge to Academia Fellow this project seeks to create pathways to degree completion and the professoriate for doctoral fellows and faculty teaching at HBCUs and other higher education institutions.
- Provided CS students with positive advice, encouragement, assistance with complex coursework and programming queries.
- Develop and submitted a proposal for a Computer Science Engineering and Mathematics workshop with 5 CS students that introduces the basics of STEM innovations for solving real-world problems for students transitioning into STEM-related fields at institutions of higher education.