GLORY CHINWEOTITO JUSTIN

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EDUCATION

Rensselaer Polytechnic Institute, Troy NY   **Expected May 2024**
Doctor of Philosophy PhD, Electrical engineering   **GPA: 3.67/4.0**
Concentration Major: Control and automation Minor: Power systems
Proposed thesis topic: Reinforcement learning for control of safety critical systems

Federal University of Technology, Owerri, Nigeria   **November 2017**
Bachelor of Engineering, Electrical and Electronic Engineering.   **GPA: 4.4/5.0**
Concentration: Power System Engineering

EXPERIENCE

Rensselaer Polytechnic Institute   **May 2021-present**
Research Assistant
- Designed a controller for power grid frequency stability using reinforcement learning in Matlab
- Performed microgrid stability analysis using the Typhoon Hardware-in-the-Loop simulator
- Presented simulation results to Professor through weekly meetings

Swift Networks, Lagos Nigeria   **June 2016-December 2016**
Network Operations intern
- Monitored the network base transceiver stations using network monitoring tools like the Zenoss core, Cacti and U2000
- Diagnosed connection problems in the network and informed a team of engineers as needed
- Resolved network disruptions by using analysis tools and reporting to the field engineers

TEACHING

Rensselaer Polytechnic Institute   **August 2019-May 2021**
Teaching Assistant
- Organized study groups for over 80 students through weekly office hours
- Prepared homework solutions, grading and gave weekly reports to the professors on student progress

Gweimen centre, Kwoi Nigeria   **July 2018-June 2019**
Math and Computer science teacher
- Organized study groups and extracurricular activities for children aged 3 to 16
- Tutored children aged 3 to 16 on math and computer science
- Prepared the lessons with two other teachers and reported on children's progress to supervisor

LEADERSHIP

Black Graduate Students Association   **March 2021-present**
Treasurer
- Organized the budget and kept records of financial transactions for the group
- Prepared financial reports and statements for group meetings

Society of Women Engineers   **March 2021-present**
Grad Secretary
- collaborated with the committee to plan monthly social and professional events for the group
- Recorded the meeting minutes and plans for the semester

Rensselaer Polytechnic Institute   **Oct 2019-March 2020**
Professional Leadership Series
- Completed a series of trainings on leadership and networking in the professional world
- Acquired knowledge about communication and teamwork skills needed in academia

Peer Education Training Community Development Group   **June 2018-March 2019**
Vice President
- Scheduled 3 events and trainings for high school students in Kwoi Nigeria on health and social topics
- Prepared and presented the content for these events at 3 schools

Power System Engineering Option (EEE Department)   **Jan 2016-Nov 2017**
Assistant Course Representative
- Scheduled labs and lectures for the 30 students in the options
- Assisted professors with collecting homework, distributing graded homework and lecture materials

Undergraduate Project Group   **Jan 2017-Nov 2017**
Team lead
- Scheduled meetings for the team of 3 students to discuss how the project would be executed
- Reported bi-weekly to project supervisor on progress and prepared the final report

RELEVANT SKILLS

Software: MATLAB, Simulink, MS Word, PowerPoint, Excel, Python, Typhoon HIL

Languages: English (native), Igbo (native), French (intermediate)

Soft Skills: Flexibility, analytical and conceptual Skills, communication, teamwork, time management, resilience

AWARDS AND HONORS
- Google GHC Scholarship   2021
- Chevron (Agbami) Medical and Engineering Professional Scholarship.   2014 - 2017
- ExxonMobil Scholarship   2014 - 2017
- Shell Petroleum Development Company Joint Venture Scholarship   2013 - 2017
- Nigerian National Petroleum Corporation/Total Scholarship   2013 - 2017