

GLORY CHINWEOTITO JUSTIN

Troy NY

5189613035

justig@rpi.edu

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: Data-Driven Control Methods for Power System Stability

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 |