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| **Daniel Kwegyir (MPhil)** |
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|  <Linkedin.com/in/daniel-kwegyir-96098911a>  |

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| **Personal Profile** | A purposeful, trustworthy, diligent and knowledgeable researcher with an aim of impacting society positively. |

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| **Education** |  |
| Sept 2019- Nov 2021 | **MPhil Electrical Power Systems Engineering**  |
|  | Kwame Nkrumah University of Science and Technology, Kumasi, Ghana |
| Sept 2014- Jun 2018 | **BSc Electrical and Electronic Engineering**  |
|  | Kwame Nkrumah University of Science and Technology, Kumasi, Ghana |
| Oct 2009-May 2013 | **General Science**  |
|  | Swedru Senior High, Agona Swedru |

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| **Previous Work Experience** |  |
| Jan 2022-till date | **Assistant Lecturer**, Department of Electrical & Electronic Engineering, KNUST |
| Mar 2021-Mar 2021 | **Research Team Member**, Development of Ghana Northern Tourism Enclave (NorTe) Master Plan, Amalgamated Group and SPAYSIS. |
| Sept 2018-Aug 2019 | **Teaching Assistant**, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana. |
| Sep 2013-Aug 2014 | **Tutor**, Swedru International School (SWIS), Agona Swedru, Ghana. |

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| **Workshop/ Project/****Internships** |  |
| 4 Sept-17 Sept 2021 | **Participant,** Rethinking waste: Sustainable Solid Waste Management KNUST-ETH Summer School. |
| Feb 2021-Feb 2021 | **Participant**, Siting of 18kW Solar PV farm for Yeboakrom, Kumasi, Ghana, KNUST SEED Center. |
| Oct 2020-Nov 2020 | **Intern**, Kumasi Hive, Kumasi, Ghana. |
| Jun 2017-Jul 2017 | **Intern**, Ghana Grid Company (GRIDCo), Tema, Ghana. |

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| **Publications** |  |
| Journals  | 1. **Kwegyir, D**., Frimpong, E. A. and Opoku, D. (2021). Optimization of feedforward neural network training using modified local leader phase spider monkey optimization. International Research Journal of Engineering and Technology, 8(7), 2157-2167.
 |
|  | 1. **Kwegyir, D**., Frimpong, E. A. and Opoku, D. (2021). Modified Local Leader Phase Spider Monkey Optimization Algorithm, ADRRI Journal of Engineering and Technology, 5(2), 1-19.
 |
|  | 1. E. Twumasi, E. A. Frimpong, **D. Kwegyir**, and D. Folitse, “Improvement of GreySystem Model using Particle Swarm Optimization,” J. Electr. Syst. Inf. Technol., vol. 8, no. 1, 2021.
 |
|  | 1. E.O. Addo, E. Twumasi , and **D. Kwegyir**, “Improvement of Particle Swarm Optimization Using Personal Best Adaptive weight,” International Journal of Innovative Science and Research Teachnology,vol. 6, no. 9, 2021.
 |
| Conference  | 1. E. Twumasi, E. A. Frimpong**, D. Kwegire**, and D. Folitse, “Improvement of GreySystem Model using Particle Swarm Optimization,” 2020IEEE PES/IAS PowerAfrica, PowerAfrica 2020, pp.0-4,2020.
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| **Leadership Positions** |  |
| Apr 2020- Mar 2022 | 1. **National Vice President**, National Union of Presbyterian Students, Ghana (NUPS-G).
 |
| Apr 2017-Oct-2018 | 1. **General Secretary**, National Union of Presbyterian Students, Ghana (NUPS-G), KNUST Local
 |
| Apr 2017-Mar 2018 | 1. **Student Chaplaincy Council Member,** Kwame Nkrumah University of Science and Technology, Kumasi.
 |
| Sept 2016-Apr 2017 | 1. **Head of Secretariat and Protocol**, National Union of Presbyterian Students, Ghana (NUPS-G), KNUST Local Conference 2017 Planning Committee.
 |
| 2016-2017 | 1. **Editorial Board Committee Member,** Electrical and Electronic Engineering Students Association (ELEESA), KNUST.
 |
| 2016-2017 | 1. **Independence Hall Editorial Board Member**, Kwame Nkrumah University of Science and Technology, Kumasi.
 |
| Sept 2012-Mar 2013 | 1. **Science Club Vice President,** Swedru Senior High School.
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| **Conferences/****Seminars** |  |
| Feb 26-Feb 28,2016 | Transforming Leadership and Governance Seminar on Collaborative Leadership, Celebrative Leadership and Continuation Leadership held at KNUST. |
| Feb 26-Feb 28,2016 | Integrated Leadership Foundation (ILF) for student Leaders held at KNUST. |

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| **Volunteering work**  | KNUST Peer Counselor, Counseling Department, KNUST.  |

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| **Hobbies**  | I love reading, researching and offering counseling to people on their problems |

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| **Referees** | **Prof. Emmanuel Asuming Frimpong** Associate Professor, Head, DEEE.Address: DEEE, KNUST, Kumasi.Mobile: 0246665284E-mail: eafrimpong.soe@knust.edu.gh |
|  | **Prof. Philip Yaw Okyere** Associate Professor, DEEE.Address: DEEE, KNUST, Kumasi.Mobile: 0208124340E-mail: pyokere.soe@knust.edu.gh |
|  | **Dr. Daniel Opoku**Lecturer Address: DEEE, KNUST, Kumasi.Mobile: 0553604143E-mail: dopoku.coe@knust.edu.gh |