**Stephen Aleje**

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**Electrical Engineer | Power Engineer Profile**

Analytical and detailed-oriented individual pursuing a master’s degree in Electrical and Computer Engineering as well as hands-on experience in conducting site inspections and resolving complex technical issues. Knowledgeable and experienced in the electrical field operating sector, including electrical power equipment and electrical distribution system of the building. Highly skilled in coordinating and working closely with team members and management to guarantee seamless execution of functions. Critical thinker and problem-solver, devising positive results while complying with budget and time constraints. Proficient in using Microsoft office, simulation and transient analysis software (MATLAB/SIMULINK, PSCAD, PLECS) and data analysis tools. Exhibit excellent communication, organizational, and interpersonal skills at all levels.

**Areas of Expertise**

|  |  |  |
| --- | --- | --- |
| * Electrical System Design | * Electrical Engineering | * Team Coordination |
| * Operations Maintenance | * Risk Assessment & Mitigation | * Project Management |
| * Data Analysis | * Electrical System Installation | * Problem Resolution |

**Education**

**MEng in** **Electrical and Computer Engineering – Energy Systems |** University of Alberta, Edmonton AB, Expected June 2021

**BEng (Hons) in Electrical and Electronics Engineering |** University of East London, London UK, Sep 2015 – May 2018

**PROFESSIONAL MEMBERSHIPS AND CERTIFICATIONS**

*Associate member of the institution of Engineering and Technology – IET*

*Construction Safety Training system, Alberta Construction and Safety association (2019)*

*The Data Science Course (2020) – 365 careers [online]*

*SQL – MySQL for Data Analytics and Business – Stanford University and 365 careers [online]*

**Experience Highlights**

**Olive Garden Restaurant,** Edmonton AB, May 2019 – Present

**Server**

Utilize excellent communication skills while interacting with guests and customers to ensure the provision of quality services within a fast-paced environment. Demonstrate efficiency and attention to detail skills while taking guest orders and providing food and beverage. Process approx. $2k in cash, credit, and debit transactions.

***Key Accomplishments:***

* Liaised and functioned closely with team members and managers to guarantee compliance with H&S standards.
* Enhanced customer satisfaction level by offering quality services and responding to queries.

**British Telecommunication (BT),** London UK, Jun 2017 – Aug 2017

**Summer Engineering Intern**

Planned and executed site inspections in coordination with the Power Engineers to confirm the smooth running of functions. Utilized technical skills and knowledge on numerous switches, identified and resolved faults on customer lines from the telephone exchange at BT.

***Key Accomplishments:***

* Adopted best practices and procedures to guarantee fulfillment of H&S requirements while focusing on power equipment maintenance such as high voltage generators, air conditioning units, and other electrical systems.
* Evaluated, assessed, and recorded reading on major plant equipment, including air conditioning units as well as produced detailed equipment report inventory for power equipment.

**Adecco Group,** London UK, Aug 2016 – Aug 2018

**Clearing Admission Officer at the University of East London**

Contributed efforts as a key member of the team working closely with admission faculty to guarantee all applications updated regarding program and entry requirements. Maintained the university database up-to-date by collecting and recoding decisions made for applicants. Followed prescribed parameters and guidelines while making decision entry for applicants.

***Key Accomplishments:***

* Generated spreadsheets and reports as per team data collection and submitted to the admission faculty for review.
* Utilized excellent communication skills while responding to e-mail/in-person inquiries from applicants.

**Experience Highlights**

**University of Alberta,** Edmonton AB, Sep 2019 – Dec 2019

**Design and Simulation of a Static Synchronous Compensator (STATCOM)**

* Designed, developed, and reviewed a Static Synchronous compensator for reactive power compensation in a multiterminal connection, including an AC grid, a wind farm, and a load.
* Planned and executed detailed analysis using MATLAB SIMULINK software. Leveraged problem solving, report writing, and communication skills while delivering a presentation of results and findings.

**University of Alberta,** Edmonton AB, Jan 2019 – Apr 2019

**Techno-Economic analysis for installing Photovoltaic Solar panels on roofs of homes**

* Liaised and worked closely with a multi-disciplinary team to study and evaluate the technical and economic impact of installing solar panels to already built homes in Edmonton.
* Built an excellent reputation among project team members by contributing project management, technical communication, risk assessment, and quality assurance skills.

**TECHNICAL SKILLS**

**Computing and Statistical programs**: C, C++, Python, MATLAB

**Microsoft Office Suite**: Outlook, Word, Excel, PowerPoint, Access

**Simulation and transient analysis software:** MATLAB/SIMULINK, ETAP, PLECS, MULTISIM

**Data Management and visualization software**: Database management using MySQL, Data Analysis, Visualization of Data insights using Tableau