# TOPGYAL GURUNG
Elmhurst - Queens, NY │ (347) 935-9179 │ Topgyaltsering3@gmail.com │ linkedin.com/in/topgyaltsering

## EDUCATION

**Hunter College, The City University of New York (CUNY)**                               **Manhattan, NY**
Bachelor of Arts, Computer Science                                                  Graduated January 2020

**Relevant Courses:** Computer Architecture I & II, Software Design & Analysis, Operating Systems, Database Management, Practical Web Development, Computer Theory, Discrete Structures, Capstone in Machine learning, Supervised Research in Machine Translation, Applied Statistics

**Trainings and Certifications:**

Python for Everybody Specialization, University of Michigan (July 2021), CodePath Cybersecurity for CUNY Baruch College (Fall 2020), IBM Data Engineering Professional Certificate (in-progress 3/13 courses completed)

## EMPLOYMENT

**Soul Chants Music**                                                                 **Manhattan, NY**
Associates/Assistant to CEO                                                         Nov 2021 – Oct 2022

- Managed various third parties' contracts, bookings, and researched and followed up on incoming issues and concerns
- Managed principal's calendar of appointments, communications, travel, itineraries, and office administrations in the areas of education, music, and business
- Set up key meeting events, zoom meetings and prioritized multiple tasks with attention to detail.
- Collaborated with other vendor's teams and assisted in project management to complete phases of projects.

**Research Foundation of CUNY (RF CUNY)**                                             **Manhattan, NY**
Curriculum Consultant                                                           August 2020 – February 2021

- Completed 13 weeks CodePath Cybersecurity course to learn about cybersecurity
- Researched various cybersecurity resources including CloudLab & network security labs, CTFs to combine projects and resources into curriculum

**Real Factors**                                                                      **Astoria, NY**
Data Engineer Intern                                                             June 2019 – August 2019

- Achieved all milestone of solving complex triangle issue in frontend Apache Superset report map chart by solving Big Query SQL code that correctly parses WKT (Well-Known Text) into geography (deck.gl Polygon)
- Utilized joins, partitions, aggregations, unnesting, GeoJson to create tables, views in GCP BigQuery Analytics Datawarehouse with various public, private and proprietary datasets
- Created dashboards, charts, and reports, used transformations, aggregations and filtered data in the company's Data Catalog which is integrated with Apache Superset enterprise business intelligence web application

**CUNY 2X Tech Talent Pipeline (TTP) x Full Stack Academy**                            **Hunter College, NY**
Student Software Engineer                                                          May 2019 – June 2019

- Selected for competitive bootcamp that covered full-stack software development methodology in Scrum
- Built Full stack web application with React, Redux, Node, Express, and Sequelize ORM for Postgres
- Applied advanced JavaScript concepts, DOM manipulation, external REST API request

**Statical Machine Learning & Translation Group**                                     **Hunter College, NY**
Student Researcher                                                            September 2018 – May 2019

- Learned concepts on NLP, deep learning models by analyzing recent research paper on the state-of-the-art models
- Trained Deep Learning models on CUNY HPC using TensorFlow, PyTorch, Linux shell and Nvidia CUDA to test performance & improve the state of the art on machine translation

## TECHNICAL SKILLS

- **Languages**: Python3, SQL, R, C++, Java, JavaScript
- **Databases**: PostgreSQL, SQL Server, MySQL, GCP BigQuery
- **Software Applications**: VS Code, Vim, Git, REST API, AWS, Linux/Unix, Agile Scrum, Docker
- **Data Science**: Anaconda, MS Excel, Power BI, Tableau, Pandas, Scikit-Learn, Numpy, Matplot, WEKA

## PROJECTS

- Built ML Algorithms: KNN, Decision Tree and KMeans from Scratch using Python with datasets from UCI Machine Learning Repository and created report with Overleaf LaTex Editor (github.com/topgyaltsering/capstone-project)
- Analyzed and predicted housing prices with housing sales data. Performed data wrangling, exploratory data analysis, developed linear regression models, model evaluation and refinement (github.com/topgyaltsering/House-sales-prediction)
- Team Project: Developed Course Registration Full Stack Web Application (github.com/db101097/CunyFirst2.0)