

## EDUCATION

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**Hunter College, The City University of New York (CUNY)**

**Manhattan, NY**

Bachelor of Arts, Computer Science

Graduated January 2020

**Relevant Courses:** Computer Architectures, 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

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**TRAININGS and CERTIFICATIONS**

Python for Everybody Specialization, University of Michigan (Jul 2021), CodePath Cybersecurity for CUNY Baruch College (Fall 2020), IBM Data Engineering Professional Certificate (in progress 5/13 courses completed). <https://topgyaltsering.com/cv/>

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**TECHNICAL SKILLS**

- **Languages:** Python, SQL, R, C++, Java, JavaScript
- **Databases:** PostgreSQL, SQL Server, MySQL, GCP Big Query, AWS
- **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, Matplotlib, WEKA

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**PROFESSIONAL EXPERIENCE**

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**Soul Chants Music**

**Manhattan, NY**

Associates/Special Assistant to CEO

Nov 2021 – Oct 2022

- Managed various third parties' contracts, bookings; researched and followed up on incoming issues
- Streamlined office operations by implementing new systems for document management, and vendor relations.
- Orchestrated principal's daily schedule of appointments, communications, travel, and office administration in the areas of education, music, and business with attention to detail and discretion
- Collaborated with other vendor's teams and managed projects Asana, zoom calls, basecamp, google docs 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 triangle issue on frontend Apache Superset report map chart by correctly parsing Well-Known Text into geography such as deck.gl Polygon with Big Query SQL code.
- Utilized joins, partitions, aggregations, unnesting, Geo JSON to create tables, views in GCP Big Query 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

**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

**Statistical 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

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**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](https://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](https://github.com/topgyaltsering/House-sales-prediction))
- Team Project: Developed Course Registration Full Stack Web Application ([github.com/db101097/CunyFirst2.0](https://github.com/db101097/CunyFirst2.0))