

Kelly Lam

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Expected Fall 2021 - Fall 2023

M.S. in Analytics, Analytical Tools Track

SAN JOSE STATE UNIVERSITY

Graduated December 2020

B.S. in Applied Mathematics, Concentration in Computational Mathematics

Minor in Economics

- **Honors:** Cum Laude, Dean's Scholar (Fall 2017/Fall 2019)
- **Relevant Coursework:** Introduction to Database Management Systems, Data Structure and Algorithms, Mathematical Modeling, Numerical Analysis, Probability Theory

EXPERIENCE

Data Visualization Intern

Bloom Energy

June 2021 – August 2021

- Developed 4 dashboards in **Tableau** using Salesforce data for the Business, Project Manager, and Field Service team; utilizing KPI's, Gantt Charts, Bar Charts, Maps, Tableau Prep Builder, and offered drill-down data.
- Led the migration from old software to **Tableau** by replicating old dashboards and improving them with Map filters, custom error messages, and drill-down capabilities.
- Presented new dashboards biweekly to board members to demo how to level load projects and highlight the critical path needed to move onto new milestones/accounts.

STEM Mentor Intern

Girlstart

January 2019 – May 2019

- Organized weekly STEM activities with 2 other mentors for 45 young girls (grades 3-5) to bring awareness to career options in STEM.
- Conducted a survey at week 18 and achieved a 93% improvement in their knowledge of STEM and a 533% increase in their desire to pursue STEM careers.

TECHNICAL SKILLS

Languages: SQL (MySQL, SQLite), Python, R, Java

Libraries: Pandas, NumPy, Seaborn, Matplotlib, Sklearn, Tidyverse, BeautifulSoup, Selenium

Software: Tableau, Tableau Prep Builder, MS Excel, Jupyter Notebook

PROJECTS

Glassdoor Data Analyst Essential Knowledge Guide

- Web scraped 20 pages of Glassdoor using **BeautifulSoup** and **Selenium** to obtain 200 interview questions for a study guide and scraped 1000 data analyst job postings to explore with **Pandas** and **Seaborn**.
- Extracted essential job skills with **NLP** techniques: Word2Vec, Topic Modeling/LDA, and Rule-Based Matching.
- Developed a **Support Vector Regression** model to estimate data analyst salaries with a MAE of \$12,700 and deployed the model using **Streamlit**.

Spotify Optimal Musical Flow Playlist

- Analyzed and wrangled 7,000+ rows of personal Spotify data using **Pandas**, **NumPy**, and **Seaborn** to data visualize streaming trends and correlation between each extracted "audio feature" from Spotify's API.
- Deployed web application to **Streamlit/Heroku** and presented analytical findings on a **Tableau** dashboard.