Winnie (Jingyi) Liu

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EDUCATION

University of Pennsylvania, Engineering & Applied Science Philadelphia, PA
Master of Computer & Info Technology, GPA: 4.0 *2021-2022*
University of Washington, Foster School of Business Seattle, WA
Master of Science in Information System, GPA: 3.83 *2019-2020*
Wake Forest University, School of Business Winston-Salem, NC
Bachelor of Science in Finance, GPA:3.85 *2015-2019*

SKILLS SETS

Programming: Java, JavaScript, HTML5, CSS, Python, SQL
Framework: MERN stack (MongoDB, Express, React, Node.js)
Software/Technology: Advanced Excel, Tableau (Tableau Public Profile: https://public.tableau.com/profile/winnie.liu4127#!/), Snowflake database, Splunk database

PROFESSIONAL EXPERIENCE

Tableau Software Seattle, WA
Data Analyst *November 2019-May 2020*
Worked as an individual contributor for the Unified Communication Team at IT department on data visualization projects focused on telecommunication data. [SQL, Tableau]

- Improved the billing management of the team by creating an auto-updated Tableau dashboard that monitors the possible overbilling/underbilling issues and saved thousands of dollars of late fee for the IT department.
- Initiated a data visualization project on Salesforce Live event to help senior-level management team understand employee engagement and adjust event planning strategy accordingly.
- Provided recommendation on the company-wide desktop phone installation/allocation decision by analyzing employees' preferred communication tool and helped save thousands of operating costs.

PROJECTS

Where2GO *[Full-stack MERN]* *2021 Summer*

- Designed and built a web-based blog application that enabled user to share places they have visited
- Created frontend/backend authentication/authorization by using React useContext hook (front-end) and JSON Web Tokens for server-side.
- Deployed the application separately via Heroku(backend) and Firebase(frontend)
- Profiled and improved the performance of the app by code-splitting to "lazy-load" the necessary dependencies that are currently needed by the user.

Cryptocurrency Price Tracker *[React.js]* *2021 Summer*

- Designed and built a searchable cryptocurrency price tracker using React.js
- Leveraged the Coin Gecko API to allow for real-time price updates

Spotify Lyrics Plug-in *[Full-Stack MERN]* *2021 Spring*

- Designed and built a web-application based on Spotify API that enables lyrics display on playback
- Leveraged React hooks to manage authentication/authorization

Bitcoin Sentiment Analysis on Social Media *[Python]* *2020 Summer*

- Preprocessed tweets data by data cleaning to remove irrelevant tweets, retweets, duplications, etc.
- Leveraged TextBlob API to calculate polarity scores of each tweet and categorize them into three groups: 'negative', 'neutral', 'positive'
- Created WordCloud for each category and visualized the analysis result using matplotlib