Chaimi Lee

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EDUCATION

University of Southern California- *Viterbi School of Engineering*
Masters of Science in Applied Data Science | **GPA:** 4.0/4.0

Expected Graduation May 2023
Los Angeles, California

Santa Clara University- *College of Arts and Science*
Bachelors of Science in Mathematics | *Minor in Physics* | **GPA:** 3.87/4.0

Magna Cum Laude, June 2020
Santa Clara, California

SKILLS

- **Programming Languages:** Python, SQL, MATLAB, XPath
  - **Libraries:** NumPy, Pandas, BeautifulSoup, Matplotlib, Scikit-learn, Seaborn, Tensorflow, statsmodels
  - **Tools:** PyCharm, Spyder, Jupyter Notebook, Google Collab, AWS-EC2, Streamlit, Visual Studio Code, Github
  - **Database:** Firebase, MySQL, MongoDB, Spark Dataframe, Spark RDD

WORK EXPERIENCE

Intel, *Software Technical Consulting Engineer Intern– TCE APJ North Team*   June 2022–August 2022
- Increased workflow efficiency by developing a Python program to automate Intel IT JIRA and enabling JIRA automation via Outlook
- Wrote a Python script to measure the performance of the Intel Distribution of Python for machine learning tasks with Intel VTune
- Skills: Python, Machine Learning, Tensorflow Library, Visual Studio Code

AJ Tutoring, *Math Tutor– Calculus and Precalculus*   September 2020–June 2021
- Collaborated with other tutors to create effective teaching strategies and study skills to implement during sessions
- Managed administrative tasks such as contacting and scheduling clients and creating personalized academic plans
- Skills: Customer Service, Communication, Leadership

fka SV Inc., *Financial Analyst Intern*   June 2019–August 2019
- Updated, organized, and maintained multiple excel sheets, each containing 50,000+ rows of financial data
- Cleaned and compiled raw data on financial activity before visualizing, and reporting results
- Skills: Microsoft Excel, Data Analysis, Data Visualization

PROJECTS

MAVDA Project– *Foundations of Data Management*
- Developed MADVA (Master's in Applied Data Science Virtual Advisor) with Streamlit, an app designed to help USC's Applied Data Science (DSCI) students schedule and register for DSCI courses based on their interests and degree progress
- Skills: Python, Pandas, Streamlit, Firebase, and web scraping

Building Visual Apps of Current World Events– *Data Science at Scale*
- Performed OCR on images of news sources, built dynamic maps displaying activity based on geolocated entities from extracted texts
- Skills: OCR, Named Entity Recognition, GeoParsing, and visualization

Generation and Detection of Falsified Scientific Literature– *Data Science at Scale*
- Leverage two techniques for falsified content generation at scale– Grover to detect and generate falsified scientific paper, DCGAN to generate believable scientific images
- Skills: Grover Neural Disinformation Generation, DCGAN, Tika Python, content extraction, feature generation, and Selenium

Astronomy To Astrology– *Principles of Programming for Data Science*
- Built a interactive program that uses data from 3 different sources (API, web scraping, static) to provide users with their horoscope based on the astronomical data of the user's location and time
- Skills: Python, NumPy, Pandas, web scraping, API request, and sqlite3

LEADERSHIP & INVOLVEMENT

- **Member:** Alpha Sigma Nu- Honor Society for Jesuit Universities (2020), Pi Mu Epsilon- National Mathematics Honor Society (2019-2020), Math and Computer Science Society at SCU (2016-2020)

- **Honors and Awards:** Neuman Family Scholarship (2021), Exemplary Pathway Essay: Paradigm Shifts & the Nature of Human Knowing (2020), Presidential Scholarship for Seniors Award (2019), George Evans Ⅱ Memorial Endowed Prize for Research (2019)

- **Volunteer:** SoDAVi: Social Data Analysis and Visualization Group (2022-Present), Pandemic Professors (2020-2021)