

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
 - **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

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, delivering valuable insights and improvements in computational efficiency

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 a wide range of administrative tasks such as client communication, scheduling, and creating personalized academic plans

fka SV Inc., Financial Analyst Intern

June 2019–August 2019

- Efficiently transformed and kept up-to-date a collection of excel spreadsheets, each containing 50,000+ rows of financial data
- Compiled and cleaned financial data and created visualizations to uncover insights and communicate results to stakeholders

PROJECTS

MAVDA Project

- 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

PDF to Audio

- Created an innovative Python script that effortlessly converts the contents of PDF files into audio format, providing an accessible alternative for visually-impaired users
- Skills: Python, NLTK, pyttsx3, Natural Language Processing

Building Visual Apps of Current World Events

- Utilized OCR to extract information from news images, and created interactive maps to display activity based on geolocated entities, providing a visual representation of current events
- Skills: OCR, Named Entity Recognition, GeoParsing, and visualization

Astronomy To Astrology

- Built an interactive Python program that uses data from multiple sources (API, web scraping, tabular dataset) to provide personalized horoscope predictions based on 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)