

Michael Ting

Email: michaeltting314@gmail.com | GitHub: [@mtting314](https://github.com/mtting314) | Website: <https://mtting314.github.io>

EXPERIENCE

Undergraduate Researcher (2021) – UCLA Applied Math Research Experience for Undergraduates

- + Performed data analysis on survey data from the L.A. Gang Reduction and Youth Development (GRYD) program serving over 30,000 youths.
- + Explored results of convolutional neural network (CNN) and Bidirectional Encoder Representations from Transformers (BERT) models in performing multi-class emotion classification (5 categories) on text data from ~190,000 survey responses to categorize young gang members' personal situations.
- + Ran statistical t-testing to show in which strategies and services the GRYD program has been effective in decreasing clients' risk of conducting delinquent behaviors.
- + Developed several data visualizations with Tableau and delivered a midterm presentation with our current findings on the strengths and weaknesses of GRYD to the rest of the REU.

Data Engineer Intern (2021) – Fox Corporation

- + Wrote a robust library of data validators for quick and automated anomaly detection. 25 hr/wk saved for Ad Operations team (Pandas, Great Expectations, S3, Apache Airflow).
- + Created a multi-level warning system for monitoring the validation and testing processes with CloudWatch Alarms.

Data Analytics Intern (2020-2021) – WarnerMedia

- + Utilized Tableau in combination with querying Teradata sources in SQL to build insightful data visualizations to easily see proportion of sales came from different home video or theatrical formats, as well as how sales were meeting pacing expectations day over day.
- + Presented key insights on which titles were and were not meeting goals and made recommendations on how to adjust future pacing.
- + Coordinated with IT team to migrate legacy SAS programs to Python scripts automated by Airflow. Upgrade in flexibility and ability to debug saved the Retail Planning team an estimated 20 hr/wk.

PROJECTS

UCLA Class Enrollment Tracker – Discord Bot

- + Utilized Discord's API and MongoDB to build a chat interface that allows users to keep track of when UCLA classes open and close. Currently in use in 20+ servers, and 100+ users registered.

EDUCATION

B.S. in Applied Mathematics, Specialization in Computing (Expected 2021) – UCLA

- + GPA: 3.98. Dean's Honors List (8/9 quarters), UCLA Achievement Scholarship. 2021 Datafest Best Visualization Honorable Mention.

SKILLS

- + Programming Languages: Python, R, JavaScript, C++, MatLAB, Go
- + Frameworks & Misc: React, Django, PostgreSQL, Flask, Git, SASS, SQL, AWS (S3, CloudWatch, Lambda), Apache Airflow, Great Expectations, Tableau, Looker, D3

OTHER INTERESTS

- + Member of the Kashima-Shinryu club (Japanese Martial Arts club)
- + UCLA All Brains (Neurodiversity Advocacy club) Training Head