

# Thomas Le

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## PROJECT EXPERIENCE

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### Twitter Movie Success Predictor

September 2019

- Interfaced with Twitter API, tweepy, and GetOldTweets3 to extract tweet analytics
- Clean, organized, and transformed data with pandas for ML model processing
- Used Linear Regression, RandomForest, and XGBoost to predict box office revenue for movies from aggregate Twitter user's tweets about movie

### Chicago Ride Hailing Service Visualization

September 2019

- Cleaned and formatted data with pandas to pipeline data processing
- Worked with Calculated Fields, Dual-Axis Maps, and Filters in Tableau to present data most effectively
- Developed interactive visualizations with Tableau to support drivers' decisions on optimal work hours

### Wuxiaworld Reader Engagement Analysis

August 2019

- Utilized web scraping with BeautifulSoup and Selenium to extract and create database of user data
- Analyzed user comment activity with online novels through multiple years to find engagement trends
- Created visualizations with matplotlib to optimize publication schedules for authors

## WORK EXPERIENCE

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### Eaton

May 2017 – August 2017

*Product Development Engineering Intern*

*Los Angeles, CA*

- Coordinate manufacturing and design of hydraulic systems/products
- Developed experimental programs, analyzed test data, and created qualification reports
- Confer with manufacturing, marketing, and suppliers to develop designs and resolve issues

### United Airlines

January 2017 – May 2017

*Product Engineering Intern*

*San Francisco, CA*

- Prepare cost analysis on interiors projects
- Review, evaluate, and determine procedures for management requests and regulatory requirements on Airbus and Boeing aircraft
- Investigate and resolve non-conformances issues resulting from in-service or maintenance failures

## EDUCATION

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### University of Texas at Austin

December, 2019

*Bachelor of Science, Mechanical Engineering*

## SKILLS & INTERESTS

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- **Skills:** Python, SQL, pandas, matplotlib, Jupyter Notebook, scikit-learn, Tableau
- **Interests:** Slacklining, Fantasy Novels, Backpacking, Standup Comedy, Fitness