Timmy Eng

New York, New York | TimmyEng.com | Timmy.Eng24@Gmail.com

Skills

- **Python**
  - Flask, Django, TensorFlow, Scikit-Learn, NumPy, StatsModels, Pandas, Plotly, Matplotlib, Selenium, BeautifulSoup
- **JavaScript:** React, Redux, NodeJS, RxJS, AJAX, jQuery
- **SQL:** SQL Server, PostgreSQL, PostgreSQL

- **ORM:** SQLAlchemy, Django ORM
- **TypeScript**
- **C**
- **Java**
- **HTML, CSS:** Bootstrap
- **Other:** Azure, Git, Docker

Employment

ML / App Developer   New York, NY
Ai Media Group   May 2021 - Current

- Part of core developer team for company's Azure cloud data migration:
  - Lead designer for new master database schema and assist development for mapping specifications
  - Led data mart design for Analytics to reduce querying time and errors for pertinent reporting data
- Created various Azure cloud microservices using test-driven development:
  - Ingest data from client companies and network data providers (via API and flat files) to database
  - Automate analytics reporting to reduce workload for senior management, sales, finance, and analytics departments
  - Processed file and email service for DevOps department and external clients
- Integrated Power BI's platform into analytics web app as part of company's new product offering

Data Analyst   New York, NY
Ai Media Group   Feb 2020 – Apr 2021

- Lead full stack developer for internal Analytics department's data management web application
- Lead Python developer for custom Sisense Periscope charts, dashboards, and SQL alerts used for KPIs
- Applied predictive analytics to find: lead attributions, customer segmentations, and next best actions in customer journeys
- Identified client-specific KPIs and targets across campaigns and media channels

Data Analyst Intern   New York, NY
See Thru   Jun 2018 – Oct 2019

- Scraped, sanitized, validated, and imported customer/web metrics data into database for ETL process.
- Analyzed important KPIs and created data visualizations for stakeholders and pitch decks.

Research Assistant / Adjunct Lecturer   New York, NY
CUNY City College of New York   Nov 2015 – Jan 2019

- Invited Speaker to 2018 International ESA, ESC, and ESBC Joint Annual Meeting
- Databased, cleaned, and analyzed collected specimen data for academic research pertaining to biodiversity of tropical beetles and plant host associations.

Personal Projects

Slack Clone (Web Development - Group)   Github.com/Source-Coders

- Collaborated with 3 other software engineers to recreate Slack to let users communicate across organization and channel levels with the look and feel of the original web app.
- Co-managed project by leading SCRUM, identifying deliverables, delegating tasks, and reviewing/testing code
- Created React components and corresponding Redux states for chat, messages, sidebar, org, and channel; and REST APIs and socket event listeners for message, org, channel, and login services
- Assisted with RxJS integration to handle async events, database design, and SQLAlchemy ORM integration

NBA Regression Analysis (Analytics)   Github.com/timmy224/NBA_Analysis

- Examined relationship between calculated team efficiency ratings and win ratios using regression analysis. Models from past seasons were tested with 2019 season data to evaluate predictive power – 81% accuracy.

Education

Bachelor of Science in Biology   New York, NY
CUNY City College of New York   2015