MICHAEL DANELLO

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WORK EXPERIENCE

FiscalNote Team: Engineering, Technical Services

Technical Consultant   April 2020 - Present
- Optimized client data upload service with asynchronous requests, reducing upload time by 25%
- Integrated Okta as an authentication solution for all internal Technical Services' tools, allowing rollout to two new teams at the company

Associate Technical Consultant   July 2020 - March 2021
- Promoted within shortest possible time frame. Received highest performance review in 19 person department
- Engineered full-stack human-in-the-loop web application (Flask, Bootstrap) to assist in generating curated in-platform policy content, garnering 300k in annual labor savings. Leveraged internal NLP tools to further automate legislative bill summaries
- Created UI for in internal document ingestion API, facilitating the creation of feeds within document schemas by non-engineering teams, and more rapid experimentation with new document sets
- Maintained project READMEs and developed Ansible playbooks for deployments

PROJECTS

iMessageWrapped
- Created single-page web application visualizing iMessage texting patterns and data. Built with Flask, SQLite, Bootstrap, and Leaflet.js.
- Distrubed project with pyinstaller. #1 post on Show Hacker News

StreetEasyScraped
- Generated URL map of past StreetEasy listings using Open Street Map Overpass API to generate addresses for all apartment within given location criteria. Created fishnet logic to automatically split large requests into smaller areas.
- Crawled 60,000 past listings using Selenium and BS4, generating a SQLite database of brokers, buildings and apartments that fit metadata criteria for price, rooms, etc.
- Ranked apartments according to metadata, and used top picks for personal apartment hunt

SKILLS

Languages: Python (intermediate), JavaScript (beginner), Ruby (beginner), HTML/CSS (intermediate)
Frameworks: Flask, Django, React, Leaflet
Database: PostgresSQL, SQLite
Tools: ElasticSearch,

EDUCATION

Bachelor of Arts | *Major: Political Science, Coursework: Computer Science*   Sep. 2016 – May 2020
Brown University: GPA - 3.8/4.0   Providence, RI