Mohamed Tayeh

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Education

University of Toronto   Graduation November, 2022
Honours B.S., Computer Science Major and Statistics Specialist (Machine Learning & Data Mining)
- cGPA: 3.80 (out of 4)
- Awards: Lester B. Pearson Scholar (full scholarship), Dean's List, Graduating with High Distinction

Skills

- **Languages:** Typescript, JavaScript, Python, SQL, R, Java, C
- **Frameworks:** Django, NodeJS, Express, Angular, React
- **Databases:** PostgreSQL, PGAdmin, MongoDB, Neo4j
- **Cloud:** AWS, DigitalOcean, Docker, Nginx

Work Experience

Temerity Analytics Inc. - temerityanalytics.com   May 2020 – August 2021
Full Stack Developer   *Toronto, ON*
- Temerity Analytics is a marketing analytics startup, I worked with **Angular** and **Django** in an **Agile** team
- Developed and designed **2 pages** deemed **essential** by **clients** and **CEO**
  - Designed the components based on marketing statistical knowledge seen as **unique** and **insightful**
  - Developed reusable components for data filtering and charts that depend on Google Map navigation
- Created a **reusable Google Maps wrapper** used in **8 pages** throughout the platform
- Refactored, documented and tested over **100 Django REST APIs** to boost **speed** by **70%**
- Proposed a **new QA procedure**, leading to **weekly uncovering of bugs** and **more stable code base**
- Proposed and developed **documentation project** to improve service documentation for clients, and coding practices for the development team

Projects

GrafGas - grafgas.com   September 2021 – Present
- A dashboard for Peruvian fleet companies to see fuel consumption analytics **used by 22 clients**
- Led the development and design of the **Django REST backend** and **gas station data pipeline**
- Deployed website on **AWS** using **EC2, CloudFront, S3, VPC, Route53, RDS**, etc.

Twitch Chat Bots & Overlays - ttv/mohtranslator   September 2021 – Present
- Twitch chat bot translator in **NodeJS** using open source **NLP** model and **microservices docker architecture**
- Deployed chat bot on **AWS EC2** and is currently being used by **40+ streamers**
- Developed twitch overlays with **React** and **vanilla JS** to enhance chat interactivity - used by **20+ streamers**

Datalytic - datalytic.ml   May 2022 – August 2022
- A dashboard platform targeting business owners on to aggregate and analyze their review app and social media feedback using Natural Language Processing
- Led content and **UI/UX design** of the dashboard
  - Designed charts based on metrics appealing to content creators and small business owners
  - Led **React code architecture** to easily and efficiently use reusable components
- Developed features and reusable components in **React** and **Express**:
  - Created a reusable ML API wrapper to **integrate 3rd party Machine Learning NLP API**
  - Built user authentication using session based authentication and reusable chart components
- Deployed website using **GitHub Workflow**, **Docker** and **DigitalOcean virtual machines**

COVID-19 Vaccination Tracker - covid.mohamedtayeh.com   March 2022 – May 2022
- This project aimed to simplify COVID-19 vaccination worldwide statistics visualization
- Used **React** and **GraphQL** to create data pipelines, **MongoDB** database schemas, website **internationalization** and reusable components for Google Maps
- Set up **sentry** and discord bot for **monitoring** on any production errors and pipeline failures

Full list of projects with demo: mohamedtayeh.com/portfolio under Projects

Interests: Services to make life efficient, Scalable services, Calisthenics, Anime, Streaming