

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, NodeJS, JavaScript, Python, SQL, R, Java, C
- **Frameworks:** Django, Express, Angular, React
- **Databases:** PostgreSQL, 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 provider, as a developer I worked with **Angular** and **Django**
- 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 library component wrapper used in **7 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 a **documentation website project** to improve service documentation for clients, and coding practices for the development team
- Researched, obtained and cleaned key datasets used through all map features on the platform

Projects

Twitch Chat Bots & Overlays

September 2021 – Present

- Built a twitch chat bot translator using an open source NLP model in **Typescript NodeJS**
- Deployed chat bot on **AWS EC2** and it is currently being used by **35+ streamers**
- Developed twitch overlays with **React** to enhance chat interactivity - used by **10+ streamers**

Datalytic - datalytic.ml

May 2022 – August 2022

- Datalytic is 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 create pages using reusable components
- Developed features and reusable components in **React** and **Express**:
 - Created a reusable ML API wrapper to **integrate 3rd party Machine Learning 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