

Mohamed Tayeh

mohamedtayeh.com • Toronto, ON

Education

University of Toronto

August, 2018 – August, 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:** Java, Typescript, Python, Go, JavaScript, C, SQL, Bash, SCSS, CSS3, HTML5
- **Frameworks:** SpringBoot 3.0, NodeJS, Django, React, Express, GoFiber, Redux, Angular
- **Protocols:** REST, GraphQL, gRPC, HTTP, Websocket, TCP/IP protocols
- **Databases:** PostgreSQL, MySQL, MongoDB, Neo4j, PGAdmin
- **Cloud:** AWS, Azure, GitHub Actions, CI/CD, Docker, DigitalOcean, Nginx

Work Experience

Workorb Inc. - workorb.ai

Jan 2022 – Present

Software Engineer

Toronto, ON

- Workorb: AI tool for searching enterprise data and monitoring sales outreach, prospects & customer relations.
- Lead **Microsoft 365 Data Ingestion** using **Microsoft Graph API** used to collect for over **400 users**
- Lead **Slack Data Ingestion** and created Slack **LLM powered chat bot**
- Worked with **OpenSearch API** to index client data to allow for efficient searching on client data
- **Lead Frontend React Development**, created over **12 user-end pages** and leading **re-usable component design** and **react hooks**
- Created **internal dashboards** to monitor data ingestion from multiple sources with confidential information redaction capabilities
- **Lead Research and Development** on **third party services** to enrich client data and platform monitoring

Temerity Analytics Inc. - temerityanalytics.com

May 2020 – August 2021

CO-OP Full Stack Developer

Toronto, ON

- Temerity Analytics: a marketing analytics startup, I worked with **Django** and **Angular** in an **Agile** team
- Refactored, documented and tested over **100 Django REST APIs** to boost **speed** by **70%**
- Developed and designed **2 pages** (frontend components and API's) 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** in **Angular** used in **8 pages** throughout the platform
- Proposed a **new QA procedure**, leading to **weekly uncovering of bugs** and **more stable code base**

Projects

Twitch Chat Bots & Overlays - tvt/mohocitrus

September 2021 – Present

- Twitch translator chat bot in **NodeJS** and **microservices docker architecture** with **gRPC** and **websockets**
- Deployed chat bot on **DigitalOcean** with GitHub Workflow, and is currently being used by **120+ streamers**
- Developed twitch overlays with **React** and **vanilla JS** to enhance chat interactivity - used by **20+ streamers**

Datalytic - dalytic.ml (user: data & password: data)

May 2022 – August 2022

- Dashboard platform for business owners to aggregate and analyze review app and social media feedback via Natural Language Processing.
- Led content and **UI/UX design** of charts tailored 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 **GraphQL** to create data pipelines, **MongoDB** database schemas, and website **internationalization**
- 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