Enoch Tang

(647) 527-8632 • e26tang@edu.uwaterloo.ca • github.com/enochtangg • enochtangg.github.io • linkedin.com/in/enoch-tang

EXPERIENCE

Numerator • Software Engineer   San Francisco, Apr 19 - Aug 19

- **Led development** for Numerator's TCC internal tools project which applies adjustment weights to Insights Panel data; designed and developed **APIs** with **Python3, Django**, **RabbitMQ**, **MySQL, and Nginx**/**Gunicorn** to power backend services.
- Packaged TCC service app configs into **Ubuntu 18.04** VM by leveraging **Vagrant**, **Ansible**, **Docker**, **AMIs** and **shell scripting.**
- Deployed TCC **Staging** and **Production environments** by utilizing Ansible, Terraform, Jenkins and CircleCI.
- Managed web/worker **clusters** by orchestrating various **AWS** resources with **Terraform.**
- Integrated Django services with existing **ETL** pipeline to transform and transfer **500K+** adjustment factors daily.

Liquor Board of Ontario (LCBOnext) • Full-Stack Developer   Waterloo, Sep 18 - Dec 18

- **Developed** LCBOnext's health metrics monitoring around various services; set up an **infrastructure** with **Azure** and utilized **MEAN** stack to create metrics monitoring and log gathering.
- Architected microservices dataflow for **voice search functionality** in LCBOnext's Mixology application by leveraging **ElasticSearch** and **MongoDB**.
- Created **CI/CD pipelines** for numerous LCBO **App Services** by utilizing **Docker, Self-hosted Agents, Terraform,** and their best practices.
- Developed key features for LCBO's **REST API** by using **Node Typescript, PostgreSQL**, and **Microsoft Azure** services.

Terrene Inc. • Software Developer   Waterloo, Jan 18 - April 18

- Built **data pipelines** to aggregate user data by using **Django**, **PostgreSQL, Boto3, and S3** to transform and transfer thousands user data logs daily.
- Prepared Ontario's electricity consumption aggregated data for supervised learning by implementing custom **Python scripts** to **ingest**, **aggregate** and **clean data.**
- Integrated **Prometheus** into the core Django apps to monitor traffic through **Grafana** dashboards which provided key insights.

PROJECTS

TheatreShare

- Developed a **full stack application** that allows users to create/enter **"theater rooms"**, **chat**, and **watch movies** together in **real time** using **Django, Redis**, and **Vue.js**.

Nibble

- Developed a full stack restaurant **POS** system that allows users to order food, reserve tables, and get restaurant information through text messaging by utilizing **StdLib**, **Node.js**, **Messagebird**, and **Firebase**.

Marketplace_api

- Created an online marketplace using **GraphQL, Express.js**, and **MySQL** that allows clients to query, cart, and checkout items from a selection of inventory products by using a flexible **query language**.

EDUCATION

University of Waterloo Systems Design Engineering   Sep 2017 – Apr 2022 (expected)

BASc Candidate • President's Scholarship • McGill Hacks 2018 Google Prize • Muay Thai • Photography