

Enoch Tang

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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 application 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

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