

# Enoch Tang

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## EXPERIENCE

### Liquor Board of Ontario (LCBO|next) • Full-Stack Developer

Waterloo, Sep 18 - Dec 18

- Architected microservices for **voice search functionality** in LCBO|next's Mixology application by leveraging **MongoDB** and **ElasticSearch**.
- Created **CI/CD pipelines** on **TFS** for numerous **Azure services** by utilizing **Docker containers**, **Terraform**, and their best practices.
- Developed features for one of LCBO's **REST API** services using **Typescript**, **Node**, **PostgreSQL**, and **Microsoft Azure** services.
- Led** the initiative to monitor health metrics around LCBO's services; set up an **infrastructure health dashboard** using **MEAN** stack with metrics monitoring and log gathering.
- Worked closely with LCBO's grocery vendors across Ontario to **refactor database schema** and implement **role based authorization**.

### Terrene Inc. • Software Developer

Waterloo, Jan 18 - April 18

- Developed **APIs** for Terrene's web portal by utilizing the **Django stack** which brought key features for users.
- Built **data pipelines** to aggregate user metadata using the **Django ORM**, **PostgreSQL**, **Pandas**, **Boto3**, and **S3 Buckets** to transform and transfer thousands of logs daily.
- Prepared data for machine learning pipeline by implementing custom **Python scripts** to **ingest**, **aggregate** and **clean** Ontario's electricity data.
- Deployed **containerized** applications on **AWS** to handle **gigabytes** of data to be uploaded and trained.
- Optimized **artificial neural networks** aimed to minimize **overfitting**; used by businesses to reduce inventory overhead.

## PROJECTS

### Nibble

- Developed a **backend application** 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 API 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**.

### TheatreShare

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

## EXPERTISE

<b>Languages:</b>	Python • Javascript • C++ • Ruby • Typescript • Java • Bash
<b>Full-stack:</b>	Node.js • Django • Rails • PostgreSQL • MongoDB • GraphQL • React • Vue.js • Angular2
<b>Infrastructure:</b>	Microsoft Azure • Docker • Redis • ElasticSearch • Terraform • S3
<b>Tooling:</b>	Pandas • Boto3 • Firebase • Mongoose • Git • StdLib • SQL • Keras • Auth0 • Ionic • Mongoosastic

## EDUCATION

### University of Waterloo Systems Design Engineering

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