Frank Chen

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PROFILE

- Experience in designing **web applications** with varies technologies.

- Highly **independent** and able to **supervise** team members.

- **Quick learner** and **highly adaptable** to rapidly changing requirements.

- **Ambitious**, always striving for excellence and seeking feedback.

- Able to communicate efficiently and professionally.

SKILLS

- **Frontend**: Angular, Ionic, HTML, CSS, JavaScript

- **Backend**: Python, PHP, Nodejs

- **Database**: MySQL, Elasticsearch, DynamoDB

- **AWS**: API Gateway, Lambda, RDS, DynamoDB, Amplify, Cognito, CodePipeline, CloudFront, Route 53, EC2, S3

EXPERIENCE

Far East Digital Inc.   Toronto, ON

Co-founder & Full Stack Engineer   2017 – Present

- Designed & developed real estate search platforms (web app, iOS and Android) using Ionic **Angular**, AWS Amplify, Cognito, Lambda, API Gateway, DynamoDB, S3.

- Designed & implemented **MLS data RESTful APIs** using Swagger for documentation, Python, PHP, MySQL, AWS EC2, RDS for pulling MLS data hourly, Elasticsearch, AWS Lambda, API Gateway for near real-time searching/aggregating on **millions of MLS data**.

- Design & developed Ontario schools search platform & **Ontario schools API**. Collect & extract schools' data from multiple sources, using **chart.js** for schools' **data visualization**.

- Provided digital solutions to real estate agents, increased their potential buyers from digital platforms. Monitored and analyzed their applications health and activities.

Hummingbird Trading Inc.   Toronto, ON

Web Developer   2016-2017

- Implemented an entire e-commerce retail site using the Shopify platform from POS interface to backend infrastructure.

- Design & developed website & web app for wine trading company using HTML/CSS/JS, Alibaba Cloud for websites, **Angular**, Alibaba Cloud for Content Management System (CMS) **web app**, Python Flask, Alibaba Cloud for backend, Alibaba Cloud for **products data API**.

EDUCATION

University of Toronto   Toronto, ON

Honours Bachelor's Degree   Graduated in 2016

PROJECTS

Hokaho Toronto Real Estate Search Platform   Web App, iOS, Android

Angular, Ionic, Python, PHP, MySQL, Elasticsearch, Swagger, AWS: Amplify, API Gateway, Lambda, RDS, DynamoDB, Cognito, S3, Route 53, CloudFront

- Hokaho app is a Canadian real estate listing search platform facilitating for sale and for rent properties for the GTA and surrounding Ontario region.

- Designed and developed real estate web app, iOS app & Android app using Ionic Angular for frontend, AWS services for backend and CI/CD.

- Designed and developed a system to pull and process listings data from TREB RETS server continuously.

- Implemented Rest APIs for searching/aggregating on millions of listings data, image processing (Sharp) and URL Shortener.

- Implemented Rest APIs for syncing social media posts to the app, and generate posters to post on multiple social media platforms (YouTube, Twitter & Pinterest).

Real Estate Web Design   Website

HTML, CSS, JavaScript, PHP, MySQL, Google Chart JS library

- Designed and developed real estate listing search website for frontend. PHP and MySQL for backend.

- Used Google Chart JavaScript library and Google Map API for visualizing Canada census data.

Facial Expression Prediction   Machine Learning

Python, Machine Learning

- Used different machine learning tools (Support Vector Machine (SVM), Neural Network (NN), Mixed of Gaussians (MoG), Principal Component Analysis (PCA)) to predict facial expressions on Toronto Faces Dataset.