Enoch Tang

Systems Design Engineering

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🌐 https://github.com/enochtangg

🖥 http://enochtang.me/

Work Experience

Software Developer

Terrene Inc.

Jan 2018 – April 2018

- Implemented **neural network** algorithms using Keras which significantly reduced overfitting by 60%; used by customers to make business predictions.
- Created machine learning pipelines on customer metadata using **Django**, **PostgreSQL**, **AWS**, **Pandas**, and **ML libraries**.
- Developed algorithms that scrape data from **APIs** and querying PostgreSQL which was 80% more efficient than previous methods.
- Added key features to a custom clientele portal in **VueJS**, allowing customers to visual data easier

Projects

TheatreShare

Web-Application

- **Created full web-app** that allows users to watch videos and chat together in real time using Django, Redis, SQLite3 and VueJS
- Developed server REST APIs to handle **authentication** and manage user data
- Implemented **WebSockets** by using Django-channels to establish a two way communication between server and client
- Architected entire frontend from scratch by using VueJS and integrated it with the backend

Immersify

Web-Application

- Hackathon **winner**. Best use of Google Platform's API.
- Developed a web application that visually scans texts, assigns a sentimental score, and plays instrumental music pertaining to that emotion

enochtang.me

Website

- Honed **HTML/CSS/JS** skills to create a responsive, personal website which uses human centered design principles
- Considered **SEO** techniques when developing website in order to improve ranking on search engine results

Gangl

Design Project

- Collaborated with 5 other members to launched project from start to finish by utilizing the entire **design process**
- Conducted extensive **needs assessment** research and user testing which improved overall usability of final product and receive **outstanding** feedback

Skills

Development:

Python	JavaScript
C++	HTML
Java	CSS

Technologies:

Vue	Redis	Git
Django	PostgreSQL	Bash
Pandas	Jinja	AWS
Keras	ML	
SciKit	Docker	

Education

Systems Design Engineering

University of Waterloo, BASc Candidate

Relevant Courses: Digital Computation, Human Factors in Design

Hobbies

Muay Thai, Weight Lifting, Photography, Basketball, Flute