# CLEMENT HOANG

4A Software Engineering | http://clemmy.ninja

## + WORK EXPERIENCE

### Memebox Data Engineer                        Winter 2017 | Seoul, Korea

- Maintained stable data pipelines built with **Spark** and **Spark Streaming**, with **Airflow** for scheduling (50+ GB data flow daily)
- Built **real time** data visualization and alerting tools
- Wrote data extraction tool for external sites using **Scrapy** that automatically refreshes for stale data periodically
- Extracted keywords from Korean text using Latent Dirichlet Allocation

### Zenreach Junior Zengineer                     Spring 2016 | San Francisco, US

- Contributed to open-sourced **Quill** project with over 13k stars on Github
- Created interactive visualizations for customer data, improving browser coverage to over **99%**
- Built drag & drop email composer using **React** with **Django**, with event tracking infrastructure and behavioural analytics

### Datera Full Stack JavaScript Developer          Fall 2015 | Mountain View, US

- Built interactive API explorer using the JSONSchema standard with **AngularJS**
- Added core features to an in-house **Javascript** SPA framework including duplex streams for model access and **React** support
- Designed and built admin panel for a distributed storage system

### Ten Thousand Coffees Software Engineering Intern    Winter 2015 | Toronto, Canada

- Re-architected the messaging system to support multiple participants and time-scheduling using the **MEAN** stack
- Ran email A/B tests, which increased user retention by **20%**
- Added complete i18n coverage to the web platform

## + PROJECTS

#### Zoo House

- Helped clients build fully fledged products such as **Coastline Market**, e-commerce and inventory management for fishing
- Worked with small team to transform fun projects into market-ready products, such as **Medicov** and **Luql**

#### Various Hacks

- **Vio** - mobile web app to film location-based video diaries with sentimental analysis (Participant at Hack the North 2016)
- **Pokidex** - mobile app where users can easily view important insurance data (Winner at AngelHack Silicon Valley 2016)
- **Query** - pebble and web app that provide a real-time collaborative classroom layer on top of a lecture (Winner at HackingEDU 2015)
- **Amusement** - app that keeps your analyzes your mental state while driving and keeps it healthy via controlling your music playlist (Winner at HackWestern 2015)
- **LookUp** - iOS and pebble app that displays live feed of transient space events (Winner at NASA Space Apps Toronto 2015)

## + CONTACT

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## + LANGUAGES

JavaScript (ES2015)
Python
HTML/CSS
Scala
C++
BASH

## + FRAMEWORKS

React, React Native, Redux, Node.js, Express, Socket.io, Koa, Scrapy, Gensim, Scikit-Learn, NLTK, Django, Angular, Mocha, jQuery, Sass/Less

## + DATABASES

MongoDB, Redshift/PostgreSQL, MySQL

## + TOOLS

AWS (Redshift, S3, Lambda, Kinesis, EMR, EC2, SES, SNS), Spark/Spark Streaming, Airflow, Jupyter, Zeppelin, Vim, Unix, Git, Webpack, Gulp, Grunt, Browserify, Docker

## + INTERESTS

I **learn** about web and startups.
I **dominate** in baddy, ping pong, League of Legends, and Tetris.
I **love** tacos, anime, bubble tea, fitness, traveling, and team players.
I **hate** doing planks.

## + EDUCATION

**University of Waterloo**
Bachelor of Software Engineering
Sept 2013 - now