

# Michael Du

## Developer

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### Summary

I am a self-motivated (INTJ) developer who appreciates problem-solving core issues. My goal is to work with an open-minded team who place immense value in integrity, mutual support, and open communication.

### Skills

- **Software:** Ruby/Rails, Sinatra, JavaScript, HTML/CSS, PostgreSQL, Python, Git, and Heroku
- **Independently Studying:** Machine Learning (Singular/Multi-Variate Linear Regression, Single/Multi-Class Regularized Logistic Regression with Gradient Descent/Normalization methods)
- **Language:** Fluent in verbal/written Mandarin & Cantonese (4+ years residence in China)

### Education

#### **Coursera**

*April-July 2016*

- **Data Structures**(Python-based), Verified Certificate: 5JXE3VFXQ5HZ, May 2016
- **Algorithm Toolbox**(Python-based), Verified Certificate: 3TDD43U3FCZX, May 2016
- **Machine Learning** (Octave/Linear Algebra), In Progress

#### **Dev Bootcamp - Software Engineer Intensive**

*October 2015 – February 2016*

- Over 19 weeks, accumulated 1000+ hours of programming through building applications using MVC architecture, RESTful routing patterns, and object-oriented design patterns

#### **UCLA - B.A. Degree in Business Economics with Accounting minor**

*June 2009*

- Coursework in econometrics, multivariable calculus, real estate finance, corporate tax

### Projects

#### **Kanluqu**

*In-Progress (Started May 2016)*

A fully-functional (but still in-progress) full-stack Rails web app for students to share and view college applications. Incorporates HPE Haven On Demand API to score sentiment for submitted essays.

**Github:** <https://github.com/supermikol/kanluqu>

**Deployment:** [kanluqu.herokuapp.com](http://kanluqu.herokuapp.com) (Please contact me for test login credentials!)

**Schema:** <https://github.com/supermikol/kanluqu/blob/master/schema.png>

#### **Thermo-Aggregation Project**

*February 2016*

Utilized infrared thermometer built onto Arduino boards to detect and gather human temperature data that is then sent to and stored in a Rails-API

**Contribution:** Building Rails-API, configuring Arduino in C, and parsing data between device/API/web-application

**Github:** <https://github.com/WALTERKERR/TAP> | **Deployment:** <http://thermo-aggregation-project.herokuapp.com> | **Presentation:** <https://www.youtube.com/watch?v=ObS8VA4nx8k> (39:20 mark)

#### **Mortar-Analytics**

*March 2016*

An analytics/financial management platform built using Rails and JavaScript

**Contribution:** Customizing layout, building Rails-API, incorporating Paperclip function, and the sorting table

**Github:** <https://github.com/supermikol/mortar-analytics>

### Experience

#### **Transcend Education (www.cunshande.com) Co-Founder**

*June 2011 – December 2015*

- Founded business in Shenzhen from concept to 12 full-time employees without outside investment
- Developed 6-month long program for students to provide character assessment, college counseling, writing workshops, and interview coaching
- Led operations, including recruitment of consultants and board members from the most competitive universities, and providing comprehensive training

#### **Basfood Services Inc. Franchise Operations Manager**

*June 2009 – December 2010*

- Managed and train team of 100+ employees across 4 El Pollo Loco franchises to effectively lower labor and food cost through devising and implementing more stringent practices and procedures
- Prepared financial statements, and reconciled cash flow statements between bank, office, and stores