

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, JavaScript, node.js, Matlab, Python, HTML/CSS, PostgreSQL, 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** (Matlab/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 (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> | **Deployment:** <http://mortar-analytics.herokuapp.com>

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