Michael Du
Developer

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Summary

I am a self-motivated developer who appreciates problem-solving at the core of 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, PostgresSQL, 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 (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, China from concept to reaching ~$1 million in annual revenue
- 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