

135 Stanie Glen Road
Watchung, NJ 07069
H: (908) 757-9559

ALAN GOU

C: (908) 251-0740
alanjgou@gmail.com
github.com/nasafato

EDUCATION

Berkeley, CA **University of California, Berkeley** **May 2016**

- B.S. in Computer Science (3.91 GPA)
- Computer Architecture, Data Structures, Linear Algebra, Systems Programming, Probability Theory

Mountain View, CA **Udacity** **Fall 2014 - present**

- Data Analyst Nanodegree - MongoDB, Data Wrangling, Data Visualization with d3.js

EXPERIENCE

Financial Operations Intern **Pingan Bank, Beijing** **July 2014 - August 2014**

- Managed client accounts worth over 50 million yuan
- Engaged new clients with services at over 53% retention rate, 12 points higher than average
- Led team that presented to senior managers on optimizations that would increase projected growth by 13%

Entrepreneur **Personal Computer Business** **August 2012 - August 2013**

- Built personal computers and workstations for clients around local area
- Mounted targeted advertising campaign using fliers, emails, and referral systems with discounts
- Generated over \$5000 of income over the course of one year

LEADERSHIP AND ACTIVITIES

Executive Board Member **Asian Student Council** **September 2014 - present**

- Organized food drive that enabled 40 students to donate over 300 free lunches to Elijah's Promise
- Coordinated *All Students Count* initiative, involving over 100 students to promote legislative awareness

Researcher **Federal Reserve Challenge, New York** **September 2013 - present**

- Team won 2nd place at the Federal Reserve Challenge in New York last semester
- Conducted research on U.S. debt and employment statistics
- Synthesized presentation on viability of various exit strategies for the Federal Reserve to undertake

U.S. Delegate **Harvard Project for Asian Intl. Relations** **February 2014**

- One of 183 students invited from global applicant pool of over 2000 undergraduate and graduate students
- Competed in technology case studies prepared by Harvard Business School and MIT Sloan

PROJECTS

- **Restaurant Website (2015): Python** - Used Flask framework and SQLAlchemy to create website and web server that hosts restaurant entries, implemented RESTful API that exports data in JSON format
- **Multiprocess Bank System (2015): C** - Created server-client framework that allows for multiple concurrent client sessions using System V shared memory allocation and POSIX semaphore control
- **Austin, TX Data Wrangling (2015): Python** - Set up MongoDB database and auditing suite to wrangle the OpenStreetMap data of the metropolitan area of Austin, Texas
- **NY Metro Ridership Analysis (2014): Python** - Statistical analysis and visualization of New York MTA's ridership fluctuation over month of May using turnstile and weather data

ADDITIONAL EXPERIENCE AND AWARDS

- **North American Computational Linguistics Olympiad:** Semi-finalist in 2012, 2013 - competed at Princeton University

LANGUAGES AND TECHNOLOGIES

- Python (pymongo, pandas, ggplot, matplotlib); C; Java; Objective-C; JavaScript;
- Eclipse; Xcode, gdb, MongoDB, SQL, Django
- Fluent in Mandarin Chinese, written and spoken