

James Case Rigassio

Motivated, zealous, easygoing, and eager to learn.

I am a sophomore at UC Berkeley with an international background, a passion for both small details and big-picture thinking, and a profound interest in the way things work

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EXPERIENCE

Uber, Guangzhou — Product Operations Intern

May 2016 - July 2016

- Worked as a full-stack engineer on the Competition Tracking team, which scraped ride data to compete with local rivals Didi Dache (“滴滴打车”) and Yidao Yongche (“一途用车”)
- Built web applications that queried competitor data, handled user input, calculated statistics, and displayed visualizations to facilitate the analysis used for strategic pricing
- Developed the front-end interfaces from scratch and made them functional using JavaScript (for widgets and other aspects of UI) and PHP (for querying databases)
- Implemented grouping operations that could separate riders into cohorts based on ride frequency; maintained new data tables for the complex querying by writing runnable Java files and scheduling them on our database’s LINUX server

U.S. Department of State, U.S. Consulate Guangzhou — Economic / Political Section Summer Hire

June 2015 - July 2015

- Compiled cable logs and U.S. company contact databases
- Organized events with representatives from other consulates
- Attended Guangzhou’s regional Air Quality Management conference on behalf of the U.S. Consulate

EDUCATION

University of California, Berkeley Berkeley, California — Class of 2019, Computer Science and Economics

August 2015 - Present

Cumulative GPA: 3.35

Relevant Coursework:

- The Structure and Interpretation of Computer Programs (CS 61A)
- Data Structures and Advanced Programming (CS 61B)
- Calculus (Mathematics 1A and 1B)
- Linear Algebra and Differential Equations (Mathematics 54)
- Web Design (CS 198)
- Foundations of Data Science (CS C8)

SKILLS

Experience in *Python, Java, PHP, SQL, JavaScript, jQuery, HTML / CSS, Lisp, and XML* programming languages

Experience using *PHPmyAdmin, XAMPP, MySQL, HeidiSQL, Eclipse IDE, Android Studio* and *WinSCP* tools

PROJECTS

Enigma (CS 61B):

Implemented a complete encryption machine designed after the Nazi Enigma

Ataxx (CS 61B):

Implemented a grid-based game and an AI that could play it using Minimax decision trees and alpha-beta pruning

Graphs (CS 61B):

Created a package that represented directed and undirected graphs, implemented navigation software using Dijkstra’s algorithm and A* search, and implemented a simulation of Makefile dependencies using topological sort

AWARDS

Robert O. Briggs Scholarship:

Award presented annually to the most outstanding first year upper brass player in the University of California Marching Band (2015)

LANGUAGES

Fluent: English

Proficient: Spanish,
Mandarin Chinese