Nathan Ouyang

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EDUCATION

University of California, Berkeley| May 2018   **Cumulative GPA:** 3.58
B.A. Statistics, B.A. Computer Science
Minor in Physics   ACT: 36
Relevant Coursework: Algorithms, Machine Architecture, Data Structures, Probability Theory, Linear Algebra and Differential Equations, Discrete Mathematics

Thomas Jefferson High School for Science and Technology| June 2014   **Weighted GPA:** 4.54
Honors: Siemens Competition 2013 Regional Semifinalist, AP Scholar with Distinction, National Honor Society

WORK EXPERIENCE

Kloudless, Inc.   Jun 2015 – Present
Software Engineering Intern   *Berkeley, CA*
- Created an analytics dashboard for users by calculating metrics with MongoDB and visualizing data with NVD3
- Implemented API changes that affect 18,000 developers, including API throttling on Django Rest Framework
- Created and ran integration tests to ensure the quality of the Kloudless open source SDK's

CS 61A   Aug 2015 – Present
Lab Assistant   *Berkeley, CA*
- Taught key concepts such as recursion, object oriented programming, and data structure traversal
- Helped students understand debugging techniques, good coding practice, and code organization
- Assisted 25 students in completing labs, homework and projects in Python, SQL and Scheme

GreekSocial.us   Oct 2014 – Jul 2015
Co-Founder, Backend Developer   *Berkeley, CA*
- Helped create an event handling service for planning safe, easy events
- Used the Laravel PHP framework to implement a suite of tools for creating, attending, and managing events
- Worked closely with 3 other members of the team to create a unified, seamless user interface

TECHNICAL PROJECTS

Git Clone   Apr 2015 – Apr 2015
Lead Programmer   *Berkeley, CA*
- Created a simplified version of the Git Version Control System in Java
- Implemented a custom data structure to store commits and perform efficient operations
- Programmed commands such as commit, branch, merge and rebase

Twitter Trends   Dec 2014 – Dec 2014
Lead Programmer   *Berkeley, CA*
- Created a utility that maps tweets containing a keyword with sentiments about the word
- Integrated the Twitter Search API to pull real-time data from the site
- Used a point scheme to determine the sentiments of a tweet based on the words it contained

LEADERSHIP EXPERIENCE

Beta Alpha Psi, International Honors Business Fraternity   Jan 2015 – Present
Internal Activities Director   *Berkeley, CA*
- Organized activities for more than 50 members of the fraternity, including bonding activities and a retreat
- Developed business skills and acumen through workshops on finance, accounting, and consulting
- Created business strategies in case studies using DCF, Comparable Company and Precedent Transactions analyses

SKILLS

- **Skills**: Python, Java, C, SQL, PHP, HTML, CSS3, Word, Excel, Powerpoint
- **Languages**: Fluent in Mandarin Chinese