

# Yue Tian (Alex)

(585)354-1956  
✉ alexyuetian@gmail.com  
📄 softdrunk.me

## Skills

Languages Python = C > Java > Ruby > C++  
Technologies ETW, Rails, MySQL, Redis, AWS, L<sup>A</sup>T<sub>E</sub>X, Git, Vim, Mac OSX, Ubuntu, Windows

## Education

2013-Present **BA, Computer Science**, *University of California, Berkeley*.  
GPA: 3.77/4.0

## Experience

- 2015 **Software Developer Intern**, *Google*, Montreal, Canada.
- Project: Chrome startup I/O investigation and experimentation
  - Implemented a tool that automates the profiling of Chrome's cold startup (resources not in memory) through emptying the standby list on Windows programmatically.
  - Hunted down two major I/O culprits to user profiles that slow Chrome down on startup.
  - Achieved roughly 40% speedup on startups with cold profiles by modifying the browser code locally.
- 2014 **Software Development Engineer**, *Sobrr*, San Francisco, CA.
- Full stack developer at Sobrr, a tech startup that has reached over 300k activated users globally.
  - Built and optimized the backend for several major features including group chat, hashtags, member taggings, etc, using Ruby on Rails and Redis cache.
  - Built an analysis tool in python to reverse geocode and aggregate member location data.
- 2013 **Research Intern**, *Visual Computing Group, Harvard University*, Cambridge, MA.
- Built a graphical interface with C++ and OpenCV to feed data of hand-anatated cell membranes to gentle boosting algorithms that trains the machines for automated annotation.

## Personal Projects

- Grue **Event-planning app that connects university organizations with potential members.**
- Built the marketing website with JQuery, CSS, and HTML.
  - Deployed cloud code on Parse to allow email sign-ups and maintenance tasks.

## Relevant Coursework

Computer Security (taking), Database Systems (taking), Machine Learning, Operating Systems, Internet  
Science Architecture and Protocols, Efficient Algorithms and Intractable Problems, Artificial Intelligence,  
Structure and Interpretation of Computer Programs, Data Structures, Computer Architecture  
Math Linear Algebra and Differential Equations, Discrete Mathematics and Probability Theory

## Honors

- 2013 **Dean's Honor.**  
Acknowledges the academic achievement of the top 4 percent of Letters and Science students
- 2012 **New York State Math Competition High Scorer.**  
Top 200 scorers in the state math meet
- 2012 **American Invitational Mathematics Examination Qualifier.**  
Ranked top 5 percent on the AMC12 high school mathematical contest, qualified for AIME