Yue Tian (Alex)

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softdrunk.me

Skills

Languages: Python = Java > C > Ruby > C++

Technologies: ETW, Ruby on Rails, Django, Android Studio, MySQL, Redis, AWS, LaTeX, Git, Vim, Mac OSX, Ubuntu, Windows

Education

2013-Present **BA, Computer Science**, *University of California, Berkeley*.

GPA: 3.79/4.0

Experience

2016 **Software Developer Intern**, *Google*, Waterloo, Canada.

- Project: android client for Onhub - Google's next-generation router.
- Implemented code to upgrade the app's permission model to target SDK level 23.
- Use security primitives (HMAC, Diffie–Hellman key exchange, etc) to implement the new authentication flow on android for claiming ownership of an out-of-box router.

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.

Relevant Coursework

Computer Science: Security, Database Systems, Machine Learning, Operating Systems, Internet 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

2016 **Mathematical Contest in Modeling Meritorious Winner**.
Awarded to teams whose submission ranked top 8% among the 7421 teams participated.

2013, 2016 **Dean's Honors**.
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