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University of California, Irvine
Bren School of **Computer Science**

Snapchat Inc. – *Software Engineer*

December 2016 – Present (4 months)

- Various engineering and product roles in the Snapchat product
- We IPO'ed March 2017!

Facebook Inc. – *Senior Engineer & Tech-lead*

February 2015 – December 2016 (2 years)

- I served as the tech-lead for Instagram's Search product. This involves engineering and leadership responsibilities to drive user engagement
 - *Define goals* and metrics that entire teams optimize for and drive engineering efforts against them
 - Use machine learning techniques to boost product engagement (+30% search engagement)
 - Results sourcing, feature engineering, regression vs. lambdamart, penalizing bias, etc.
 - Own a system end-to-end to handle *billions of requests* a day while serving *hundreds of millions of successful searches* per day
 - *Drive the cross-functional effort* between amazing teams of engineers, PMs, designers, researchers, data scientists, and marketing managers
- See some of the team's amazing work in the news here: <https://goo.gl/TiL73t> and <https://goo.gl/7AbJQL>

Parse.ly Inc. – *Software Engineer Consultant*

Winter 2014 (3 months)

- Web analytics startup (Parse.ly) sponsored paid work on python-newspaper – my open source project that was one of the top downloaded projects and #3 in trending on GitHub in 2013 and used by CNN, LA Times, BuzzFeed, and The New York Times!
- python-newspaper was also endorsed by Kenneth Reitz, a member of the Python software foundation, as an “amazing library”
- View this project here: <https://github.com/codelucas/newspaper>

Wintria Inc. – *Co-founder* – <http://wintria.com>

2013-2014 (7 months)

- I founded a startup in college that:
 - Raised \$30,000 in seed and VC funding
 - Grew up 4,000+ *daily visitors* within two days of launch
 - Built the technology that supports fast (<100 ms) searching of *IM* indexed news articles
- Besides building the entire service, I also got to take on leadership tasks like recruiting, legal & patent paperwork, drafting mass emails, advertising, drafting business plans

Facebook Inc. – *Software Engineer Intern*

Summer 2014 (3 months)

HackUCI – *Co-founder*

Spring 2014 (3 months)

- I cofounded *Orange County's largest hackathon* in 2014 with 500+ attendees

Skills

Language agnostic and familiar with most widely used languages and frameworks:

- Python, Java, C++, C, SQL, JavaScript, Bash, Django, Flask, boost, memcache, BigQuery, Hive, etc.

Familiar with the web-stack, HTTP, and web idioms:

- Scaling machines to requests, monitoring CPU, request latency, exceptions, etc.

Familiar with account and content ranking using machine learning and information retrieval techniques

- GBDT models, regression, lambdamart, boosted trees, Apache SOLR, Unicorn @ Facebook, TF-IDF, feature engineering, sourcing, training data cleaning, bias penalizing
- I've implemented successful models for many various products now and have an eye for what will be impactful

View my open source library: <https://github.com/codelucas>
View my LinkedIn: <https://www.linkedin.com/in/lucasouyang>