

Snapchat Inc. – Software Engineer

December 2016 – Present (1.5 years)

- Various engineering and product roles in the Snapchat product
 - Proposed & built one of the first machine learned rankers in the company that produced a large (over 10%) gain in core engagement metrics. Followed up with months of feature engineering & modeling
 - Interviewed tens of candidates, designed infra to support ranking
- We IPO'ed March 2017!

Facebook Inc. – Senior Engineer & Tech-lead

February 2015 – December 2016 (2 years)

- 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
 - Lead a team of 3 engineers and delegated tasks, wrote roadmaps, etc. for 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

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