Contact

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(LinkedIn)
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Top Skills

Computer Science

Mathematics

Leadership

Honors-Awards

University of Waterloo Awards

Selected Academic Awards

Selected Contest Awards

NSERC Research Award

Annie Zhou

Software Engineer at Databricks

San Francisco Bay Area

Summary

Computer Science student at University of Waterloo

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Experience

Databricks
Software Engineer
September 2021 - Present (2 years 2 months)
San Francisco Bay Area

Storage Platform Team

Databricks
Software Engineer Intern
August 2020 - December 2020 (5 months)
San Francisco Bay Area

Cloud Infrastructure Team

Facebook
Software Engineer Intern
September 2019 - December 2019 (4 months)
Menlo Park, California

Video Ranking Platform:

• Designed and built an end-to-end Offline Video Ranking system, which uses off-peak cpu resources to compute recommendation scores that are cached for online retrieval

• System scaled ranking by 100x, from 1000 to 100,000 videos per user, for over 200,000 users per day

• Offline ranked results also increased Watch Time by 1.6%, equivalent to approx. 2600 hours per day

Lyft
Software Engineer Intern (Autonomous Vehicles)
May 2019 - August 2019 (4 months)
Palo Alto, California

Data Infrastructure Team:

• Implemented kafka consumer, protobuf parser, and BigQuery streaming for a near real-time ingestion service that can stream data into BQ within 5 minutes, as opposed to the original 1 hour delay
• Service also scales for real time analytics use cases and reduces friction in registering new metrics/tables
• Designed, implemented and onboarded engineers from multiple teams to a notification service that allows them to get scheduled reports for data in BigQuery; project also won Best Design for company-wide Autonomy Science Fair
• During hack week, led a team of 5 engineers and created a data compression service POC that is estimated to save $1 million in storage costs per year

Dropbox
Software Engineer Intern
May 2018 - August 2018 (4 months)
San Francisco Bay Area

Search Infrastructure Team:
• Implemented new analyzer service that enables search for over 20 foreign languages from only English and Japanese
• Performed data migration & HBase backfill on over 300 billion documents
• Reduced cost for Japanese tokenization by $40k/year
• Integrated service in both indexing and serving pipelines in the search architecture

SAP
Agile Developer Intern
September 2017 - April 2018 (8 months)
Vancouver, Canada Area

Calculations Team:
• Integrated and shipped new analytics features in core production code.
Features include: Measure to Text Calculation, Enriched Time
• Worked extensively in object-oriented JavaScript and agile environment

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Education

University of Waterloo
Bachelor's degree, Computer Science, Minor in Statistics · (2016 - 2021)