

# Ying Wang

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## Experience

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### Kinetica DB

Arlington, VA

Software Engineer | Developer Tools, Data Engineering

February 2018 - October 2019

- Product Owner, Kinetica I/O (graph ETL tool for highly-structured and semi-structured data)
  - Integrated Apache Spark as a data acceleration layer to boost data ingestion speeds by >2000x
  - Implemented engineering processes to shorten sustainable feature development lifecycle from 3 weeks to 1 day, enabling direct support for multiple 7-figure sales proof-of-concept demos.
  - Designed and implemented data-driven integration test harness in support of rapid test-driven development with support for test auto-generation.

### Xometry

Bethesda, MD

Software Engineer | Web Services, Full Stack

December 2016 - February 2018

- Refactored machine learning pipeline for cost and win rate calculations, bringing test coverage to ~80%.
- Led a team of three to refactor pricing algorithms, contributing to an ~80% performance speedup.
- Prototyped front-end expedited shipping feature, contributing to primary expedite functionality which generated >\$10K in its first week in production.
- Migrated parts of internal ERP software from Jinja / Angular / jQuery mix to React, boosting developer productivity by >5x and improving page performance by >3x.
- Migrated parts of landing page from WordPress to bespoke solution by developing Craft CMS templates, allowing sales/marketing to add site content without developer input while scaling to 4K+ requests per day.

### Bytes by Ying (<https://bytes.yingw787.com>)

Arlington, VA

Author

October 2018 - Present

- 50,000 page views and 30,000 visitors from 150 countries with 10% return rate

## Education

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### Duke University (Durham, NC)

2012 - 2016

B.S.E, Electrical and Computer Engineering (3.23/4.00)