

Ying Wang

me@yingw787.com | [linkedin.com/in/yingw787](https://www.linkedin.com/in/yingw787) | github.com/yingw787

Experience

Kinetica DB

Arlington, VA

Software Engineer | Developer Tools

February 2018 - Present

- Product Owner, Kinetica I/O (ETL tool for highly-structured and semi-structured data)
 - Integrated Kinetica's Spark connector as an acceleration layer to boost data ingestion speeds by >2000x (1K records in 4 seconds → 20M records in 35 seconds)
 - Implemented processes to shorten sustainable feature development lifecycle from 3 weeks to 1 day, enabling direct support for multiple 6-figure sales proof-of-concept demos.
 - Implemented support for ESRI Shapefile ingestion into Kinetica, enabling customers to ingest geospatial data to use geospatial-related features of Kinetica.
 - Designed and implemented data-driven 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, brought testing coverage to ~80% and integrated individual testing coverage and linting reports with gated commits.
- Led a team of three to refactor cost-plus pricing algorithms, contributing to a ~80% 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 home-built solution by developing Craft CMS templates, allowing sales and marketing to add site content without developer input while scaling to 4,000+ requests per day.

DukeMakers

Durham, NC

Co-founder / President

January 2014 - December 2014

- Recruited board of directors, who raised >\$10K from alumni donations for equipment, and ~40 club members.
- Designed and prototyped 3D printed biosand filter concrete mold, enabling 1000x savings vs. steel molds.

Education

Duke University (Durham, NC)

2012 - 2016

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