

Ying Wang

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Experience

Sabbatical (Tooling / Infrastructure)

Arlington, VA

October 2019 - Present

- Created personal dotfiles to formalize development processes: <https://github.com/yingw787/dotfiles>
- Achieved beginner-level proficiency with Haskell: <https://github.com/yingw787/thehaskellbook>
- Built TinyDev, a hybrid OLTP/OLAP streaming BI framework composed of PostgreSQL, Apache Parquet, and HTTP/2 Server-Sent Events: <https://github.com/tinydevcrm>

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

- Led a team of three to refactor pricing and lead time algorithms from legacy ERP system to a standalone executable, contributing to an ~80% application performance speedup.
- Migrated parts of internal ERP software from Jinja / Angular / jQuery mix to React, improving developer productivity by >5x and page performance by >3x.

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

Duke University (Durham, NC)

2012 - 2016

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