

# Ying Wang

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## Experience

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### MotoRefi (Full-stack / Data Analytics, contract-to-hire)

Arlington, VA

July 2020 - Present

- Prototyped native Pulumi integration with `nx` (JavaScript monorepo framework) for GCP deploys
- Prototyped fact table creation using GCP BigQuery + Stitch Data + BigQuery Standard SQL for BI

### Sabbatical (Tooling / Infrastructure)

Arlington, VA

October 2019 - July 2020

- 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, an on-prem deployable Firebase alternative (database + real-time streaming + account / project management) framework: <https://docs.tinydevcrm.com>
- Started Paint Creek Software (software contracting), \$3k total annual revenue so far

### 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 (1K records in 4 seconds → 20M records in 35 seconds)
  - 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.
  - Implemented support for ESRI Shapefile ingestion supporting GIS use cases within Kinetica.
  - Designed and implemented data-driven integration test harness in support of rapid test-driven development with support for test auto-generation.

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

Arlington, VA

Author

October 2018 - Present

- 70,000 page views and 40,000 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)