Ying Wang

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Experience

MotoRefi (Data Engineering) **Arlington, VA**

July 2020 - Present

- Created denormalized fact tables using GCP BigQuery, supporting sales/marketing scheduled reports
- Migrating credit reports to GCP BigQuery for market intelligence around greenfield financial products

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

Duke University (Durham, NC) 2012 - 2016

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