Fiona **Ding**

Data Engineer

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fding253
fding253

About Me

Data engineer with experience transforming raw data into valuable insights.

Skills

Python
SQL
ETL
Data Warehousing
Tableau
C/C++
Java
LaTeX

Hobbies

badminton
hapkido
rock climbing
piano
guitar

Work Experience

Meta
Data Engineer · Menlo Park, CA

2021–Present

- Part of the Messaging Ecosystems team
- Develop and maintain data assets used across the company
- Build dashboards for reporting and monitoring

Crossover Health
Data Scientist · San Clemente, CA

2016–2021

- Early member (second hire) of the Analytics team, which won the annual Big Wave award in 2016 for impact on the company
- Built and maintained a data warehouse with ETL processes using SQL and Python scripts to transform data from sources such as API calls, claims data, internal sources, etc.
- Built and implemented machine learning models to predict medical outcomes and improve operational procedures
- Set up automation of data pipelines using Luigi
- Built reports and dashboards in Tableau tailored for the intended user
- Instituted many best-practice standards amongst team, e.g. version control, test suites

County of Santa Clara - Social Services Agency
Associate Management Analyst · San Jose, CA

2015–2016

- Designed and created a complete database from scratch, used for tracking worker registrations and statuses
- Created back-end of the database, which involved data cleaning, database design, and writing SQL queries
- Implemented and tested front-end application using VBA, allowing user-friendly data-entry and querying

University of California, Davis
Graduate Researcher/Teaching Assistant · Davis, CA

2009–2014

- Studied the properties of the quark-gluon plasma formed in high energy heavy-ion collisions at the STAR detector at RHIC (Relativistic Heavy Ion Collider)
- Analyzed large data sets ($\sim 10^8$ events), using ROOT and C++
- Led lab and discussion sections of undergraduate physics courses

Education

Physics
M.S. · University of CA, Davis

2009-2011

Physics with Math minor
B.S. · Carnegie Mellon University

2005-2009