

Fiona Ding

Data Engineer

ABOUT ME

Data engineer with experience designing, implementing, and maintaining data pipelines to transform raw data into valuable insights.


SKILLS


Python
SQL
ETL
Data Warehousing
Tableau
C/C++
Java
L^AT_EX

HOBBIES

badminton
hapkido
rock climbing
piano
guitar

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 fding253

WORK EXPERIENCE

2021–Present

Meta

DATA ENGINEER · Menlo Park, CA 



- Develop and maintain ETL processes for data assets used across the organization
- Build dashboards for reporting and real-time monitoring, working closely with data scientists to understand analytics requirements
- Improve health of system by setting up data quality alerts to ensure accuracy and consistency of data
- Optimize pipelines for faster landing times and reduced compute costs.

2016–2021

Crossover Health

DATA SCIENTIST · San Clemente, CA 



- 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.
- 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

2015–2016

County of Santa Clara - Social Services Agency


ASSOCIATE MANAGEMENT ANALYST · San Jose, CA 



- 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

2009–2014

University of California, Davis

GRADUATE RESEARCHER/TEACHING ASSISTANT · Davis, CA 



- Analyzed large data sets ($\sim 10^8$ events), using ROOT and C++
- Led lab and discussion sections of undergraduate physics courses

EDUCATION

2021–ongoing

Computer Science


M.S. · Georgia Institute of Technology 

Part-time online program



2009–2011

Physics

M.S. · University of CA, Davis 



2005–2009

Physics with Math minor

B.S. · Carnegie Mellon University 

