

# 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<sup>A</sup>T<sub>E</sub>X

## HOBBIES

badminton  
hapkido  
rock climbing  
piano  
guitar

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 fding253

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## WORK EXPERIENCE

2021–Present

### Meta


DATA ENGINEER · Menlo Park, CA 



- Develop and maintain data assets used across the organization
- Build dashboards for reporting and real-time monitoring
- Improve health of system with data quality alerts, 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 



- 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

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 