Fiona Ding

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Technical Skills

PROGRAMMING:	Python, SQL, C/C++, Java
DATA VISUALIZATION:	Tableau

Work Experience

Current **Meta**
Data Engineer

- Develop and maintain data pipelines for data assets used across the company
- Build dashboards for reporting and monitoring

2016–2021 **Crossover Health**
Data Scientist/Reporting Analyst 1, 2

- 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

2015–2016 **County of Santa Clara - Social Services Agency**
Associate Management Analyst

- 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

- 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++

EDUCATION

DEC. 2011	**University of California, Davis** - Davis, CA
	M.S. in PHYSICS
MAY 2009	**Carnegie Mellon University** - Pittsburgh, PA
	B.S. in PHYSICS, with Minor in MATHEMATICAL SCIENCES