FIONA DING

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TECHNICAL SKILLS

COMPUTATIONAL:	EXPERIENCED: Python, C/C++, SQL, Tableau, ROOT, MS Access
	BASIC: Java, UNIX, MatLab, VBA, LaTeX

WORK EXPERIENCE

Current
2016–Present

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
- Build and implement machine learning models to predict medical outcomes and improve operational procedures
- Build and maintain 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 pipeline using Luigi
- Build 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