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
2018–Present
2016–2018

Crossover Health
Data Scientist
Reporting Analyst 1, 2

- Member 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 ETL processes with Python/SQL scripts to transform data from sources such as API calls, claims data, internal sources, etc. into a MySQL data warehouse
- Set up automation of data pipeline using Luigi
- Build reports and dashboards in Tableau tailored for the intended user

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

- Systems support for the Social Services Agency, working on various projects in the Data Analysis, Program Integrity and Research group
- 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