

Dixon Crews

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Education

North Carolina State University
Master of Computer Science

Raleigh, NC
May 2016 – May 2017

Bachelor of Science, Computer Science

August 2012 – May 2016

Experience

Guideline

Staff Data Engineer

Raleigh, NC (Remote)

December 2023 – Present

- Implement clustering strategy on heavily used BigQuery tables to reduce cost by 85%
- Create batch process to sync 750k+ participant records to Salesforce daily
- Integrate with Honeycomb to improve discovery & resolution of data issues
- Contribute object creation logic and API interfaces to real time Salesforce data sync app
- Investigate and fix performance issues/bugs in legacy Scala data load process, reducing runtime by 40% and eliminating 5 year old silent errors

Senior Data Engineer

January 2022 – November 2023

- Lead migration from Fivetran to Datastream for our most business critical tables, reducing cost by \$75k
- Contributed to initial use of dbt by creating & maintaining views, tables, and incremental models, along with support & training of new dbt users
- Implemented time saving and secure solution for automatically granting & revoking access to BigQuery datasets

SAS Institute

Systems Architect, API Platform Engineer

Cary, NC

June 2021 – January 2022

- Contributed to research & initial implementation of an API Management solution for new interactive version of developer.sas.com

Solution Consultant

April 2019 – June 2021

- Served as SAS Technical Lead for multiple customer projects (State of NC GDAC, State of Wisconsin DHS)
- Lead the first design & implementation of data access REST APIs for NC GDAC (using Apigee & SAS Viya)
- Designed & implemented ETL for various projects including the Common Follow-Up System and eProcurement
- Administered SAS software deployments & managed customer data including row-level security
- Coordinated with project managers, analysts, and quality assurance throughout each project

Senior Associate Technical Consultant

June 2017 – March 2019

- Completed the SAS Technical Enablement Academy for Consulting, gaining SAS certifications and completing case studies on varied topics including SAS Programming, Data Management, Visualization, etc.

Technical Intern, JMP

May – August 2016

- Created, updated, and improved tools used in the localization (L10N) of JMP software

(Prior experience available on LinkedIn)

Skills

Programming: Python, SAS, Scala

Data Management: BigQuery, dbt, MySQL, Spanner

CI/CD: GitHub, Jenkins, Azure DevOps, SVN

Cloud: GCP, Linux, Docker/k8s, bash/cron

Data Tools: Fivetran, Datastream, Beam/Dataflow

Project Management: Jira, Confluence