

Ariel Calver

Triple-national (US/UK/FR) data engineer with 3+ years in tech consulting, a Mathematics BSc, and a Design & Tech MFA. Builds data-driven and responsible, AI-powered solutions, with strong foundations in Python, SQL, and ETL pipelines. Bridges engineering rigor with business context to drive impact in cross-functional teams.
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DATA ENGINEERING & AI EXPERIENCE

Keyrus

Jul 2025 – Present, New York, NY

Senior Data Technology Consultant

Building a full-stack, AI-powered employee allocation app (Python) with 2 consultants to reduce manual allocation time, leading discovery, wireframing, relational database design, and frontend development

Collaborating with the same team on code reviews, debugging Python scripts and managing version control in GitLab to ensure reliability and scalability

Conducted UAT on AI data maturity tool for 16-person portfolio acceleration team, identifying areas for improvement and translating insights into actionable steps for engineers

Designed AI literacy training for clients to demystify AI; clarify capabilities (RAG), risks, and responsible AI principles; and guide next steps in implementation

The New School

Aug – Dec 2024, New York, NY

Teaching Assistant - AI, Creativity, and Social Justice

Designed and taught weekly lessons to 25 students on AI's capabilities, risks, and real-world applications, distilling complex topics into clear concepts

Keyrus

Aug 2020 - 2023, Washington, DC

Data Technology Consultant

Oct 2021 - Aug 2023

Led 20+ client sessions (requirements gathering, design, QA, UAT, knowledge transfer) for technical and non-technical stakeholders to translate business needs into scalable solutions, achieving \$300k/year savings

Collaborated with 2 senior engineers to build ETL framework using dimensional modeling, creating 10+ pipelines to present 15 million rows of survey data in DEV/QA/PROD environments to advance vision care research

Developed and maintained 10+ Alteryx ETL pipelines to automate daily reports, saving 300+ manual reporting hours/year

Collaborated with an Agile team of 15, providing input to a non-profit across Agile ceremonies: stand-ups, product backlog grooming, sprint planning

Created an ETL optimization manual, documenting best practices for pipeline development and data connections, enabling clients to build efficient pipelines

Data Technology Analyst

Aug 2020 - Oct 2021

Designed 10+ interactive Tableau dashboards, supporting 250+ higher education institutions in tracking key performance metrics to predict student outcomes and help close equity gaps

Developed SQL scripts to pull data from 8 Salesforce tables into Snowflake; extracted, cleaned, and transformed data enabling real-time sales data tracking for a medical device research organization

Built 10+ data sources incorporating row level security for Tableau dashboards, using data modeling best practices, enhancing data privacy for 400+ users

Led solo project for cryptocurrency company, developing KPI logic and 2 dashboards, enabling client to track internal sales progress

EDUCATION

May 2025

Parsons School of Design, The New School, New York, NY

MFA in Design and Technology

Relevant Coursework: AI Generated Deception and Manipulation (Responsible AI principles), Dark Data (Big Data & AI), Media Practices: AI (Python, Hugging Face)

GPA: 4.0

May 2020

Georgetown University, Georgetown College, Washington, DC

BSc in Mathematics, Minor in Philosophy

Honors: Dean's List First Honors, Phi Beta Kappa, Pi Mu Epsilon (National Mathematics Honor Society), Summa Cum Laude

GPA: 3.95

Jan - May 2019

National University of Singapore, Singapore

Semester Abroad – Mathematics

SKILLS

Data Engineering & Warehousing

Alteryx, DBT, MuleSoft, Salesforce, PostGreSQL, PGAdmin, SQL Server Management Studio, Snowflake, Tableau (BI tool), Talend, Qlik

Programming & GenAI

Python, C++, JavaScript (React, Node.js), SQL, HTML, CSS, R, TypeScript, Hugging Face, GenAI powered tools

DevOps & Version Control

Docker, Git, GitLab/GitHub

Design & Development Processes

Agile development, iterative design, rapid prototyping, user research and testing, JIRA

Languages

French (conversational), Italian (conversational), Spanish (conversational)