Ariel Calver

An experienced data engineer and mathematician pursuing an MFA in Design and Technology, uniquely positioned to bridge tech and creative spaces with an emphasis on analytical rigor.

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TECH & DATA EXPERIENCE

Keyrus   Aug 2020 - Aug 2023, Washington, DC
Data Consultant & Engineer   Oct 2021 - Aug 2023

Led 20+ sessions to translate business requirements into technical specifications to automate reports, resulting in $300k/year savings

Collaborated with 2 senior consultants on building an ETL framework using dimensional modeling, creating 10+ pipelines for archiving and presenting 15 million rows of survey data in DEV/QA/PROD environments to advance vision care research

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

Created an Alteryx workflow optimization manual, covering best practices for developing and documenting ETL pipelines and managing data connections, to enable clients to build efficient, consistent pipelines

Data Analyst   Aug 2020 - Oct 2021

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

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

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

TEACHING & RESEARCH

The New School   Aug 2024 - Present, New York, NY
Teaching Assistant - Artificial Intelligence, Creativity, and Social Justice

Lead weekly discussion section of 25 students, design activities to reinforce lecture concepts, and provide written and verbal feedback to support student learning

The New School   Jun 2024 - Present, New York, NY
Research Assistant (Mathematics) to Prof Jennifer Wilson

Developed a Python program to simulate election processes, exploring the relationship between winners, candidates, and voter selections, thereby saving substantial time compared to manual analysis

Mentored 3 high school students in developing mathematical proofs around voter theory concepts including bloc voting and one-dimensional spatial models

Georgetown University   Jun 2019 – Jul 2020, Washington, DC
Research Assistant (Algorithms) to Prof Jennifer Logg

Cleaned 1000+ rows of data from a sample of 600 participants to identify valid respondents and ensure data integrity for a study on job applicants' preference for hiring managers over hiring algorithms

EDUCATION

Expected May 2025
Parsons School of Design, New York, NY
MFA in Design and Technology
Awards: 35% tuition merit-based scholarship
GPA: **4.0**
Selected coursework: Critical Computation (JavaScript), Dark Data (Big Data & digital tracking infrastructures), Data Visualization (JavaScript), Media Practices: AI (Python)

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**
Selected coursework: Applied Statistical Methods, Data Visualization (R), Linear Algebra, Mathematical Statistics, Multivariable Calculus

Jan - May 2019
National University of Singapore, Singapore
Semester Abroad – Mathematics
Selected coursework: Geometry, Nonparametric Statistics

SKILLS

Design & Data Visualization
After Effects, Cinema 4D, Illustrator, Photoshop, Procreate, p5.js, Tableau

Programming
C++, JavaScript, Python, R, SQL, web development (HTML, CSS)

Software
Alteryx (Designer Core certified), MuleSoft (Developer Level 1 certified), Salesforce (Einstein Analytics and Discovery Consultant certified), Snowflake, Talend, Unity, WinSCP