

# David Alan Morgan

davidalanmorgan.com includes portfolio and contact info | Berkeley, CA

A data viz wiz who excels at data pipelines and implementing solutions beyond spreadsheets and siloed databases. Knows how to make data flow purposefully and takes satisfaction in making that happen automatically.

## – Work Experience –

---

### BUSINESS INTELLIGENCE ANALYST

Workday – Global Procurement Office | Pleasanton, CA

October 2022 – March 2024

- Automated –mostly in Python– diversity and sustainability reporting while aligning processes with industry standards.
- Built data flow in Prism to allow Sourcing teams to engage Suppliers on delivering Science Based Targets (SBTi).
- Became adept at Discovery Boards and Matrix Reports in Workday. Did equal work in Py and Tableau as well.
- Helped define a Databricks lakehouse that allowed aggregation of internal data and external vendors feeds.

### BUSINESS ANALYST

Data As Paint Consulting – Owner | Berkeley, CA

June 2020 – June 2022

- Built a Sisense (formerly Periscope Data) stack for a client with both devs and scientists needing to access blended data.
  - With Py and R respectively, on top of SQL stored procedures I wrote to deliver the data as needed.
- Implemented many Talend setups to connect data from: CRMs like Microsoft Dynamics 365 and Zoho with ERPs like Odoo.
- Used the Databricks connector in Tableau to upgrade a data lake with a batch ETL process to a real-time DeltaLake.
- Built the data infrastructure for companies to scale up, often using insights from regression modeling (ARIMA).
- Managed multiple subcontractors to grow and delegate my business, and to meet the needs of my clients.

### DATA AUTOMATION ANALYST

SunLink Corporation – photovoltaic mounting systems, added 0.7 Gigawatts in 2017 | Mill Valley, CA

March 2017 – May 2018

- Simplified data architecture from 9 databases with 8 sync layers, to 4 DBs with 3 syncs.
  - Ending with mySQL local, AWS, MS SQL, and Epicor with Talend in between.
- After operations analytics, I implemented an approval workflow for the mechanical engineering team.
  - Google Drive, using the PowerTools framework.
- Was the lead Py dev for a custom software stack that used open-source tools to replace a tool with a \$10K license.

### MATERIALS MANAGEMENT DATA SPECIALIST

Sungevity (Solar Spectrum) – residential solar, added 6.7 Megawatts in 2016 | Oakland, CA

February 2016 – March 2017

- Improved supply chain visibility with Py, Power BI, Salesforce, and Microsoft SQL on Azure.
  - Went from only 2 items in a BOM, to every screw counted.
- Wrote a Py tool and packaged it to replace a manual process involving copying and pasting data by hand.
  - Saved coworkers a total of 600 clicks & keystrokes every week.
- Used Solver and ILP to manage 2 recalls impacting over 950 customers, identifying resources to expedite replacements.

### WEB ANALYST, KNOWLEDGE ENGINEER

Ask.com (Inform Media Group) – ranked 33<sup>rd</sup> in 2015 with 145M visits/mo | Oakland, CA

March 2013 – October 2015

- Automated a task system for 7 team members, freeing one coworker from 2 hours a day of manual processing.
- Built interactive dashboards in Tableau with a Hadoop backend, replacing Excel based reports from an Oracle DB.
- Using SPSS Modeler discovered data logging anomalies, then collaborated with dev teams to unify logging schemas.

## – Education and Certifications –

---

Master of Science in Business Analytics – Data Pipelines, Visualization | California State University, East Bay | 2018 – 2020

Bachelors in Cognitive Science – Human-Computer Interaction, Linguistics | University of California, Berkeley | 2008 – 2011

Tableau Certifications – Desktop Qualified Associate for v8 & v9 | 2014, 2015

---