Dylan Butler

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SUMMARY

Analyst who builds the dashboards and internal tools teams use every day, using AI tools like Claude Code to ship them in days instead of weeks. Built a forecast dashboard Surfline's forecasters check daily, an LLM pipeline that classified 44K+ user comments and an evaluation rubric that became a team's standard.

EDUCATION

University of California, Berkeley | 2022 – 2026
- BA in Economics, Minor in Data Science | GPA: 3.6/4.0
- Coursework: Econometrics, Statistics, Business Analytics (Excel), Data Science for Economists, Techniques of Data Science

EXPERIENCE

Altruava | *Founding Design Engineer* | Remote | Aug 2026 – Present
- Own Ceann, a consumer budgeting app, end to end: scope features in Jira, design in Figma and build in React Native (Expo) with Claude Code, using repeatable AI workflows that cut feature builds from weeks to days.
- Track funnel drop-off, beta retention and churn in Google Analytics (GA4) after each release, measuring how UI changes affect conversion and turning the results into recommendations for the next update.

Surfline | *Data Forecasting Intern* | Remote | Apr 2026 – Jun 2026
- Built a forecast analytics dashboard in Python and SQL (Snowflake, Hex) that matches each new storm to similar storms across 20 years (1.5M+ rows) of historical data and scores how they played out. Forecasters use it daily.
- Built an LLM pipeline on the Anthropic API, paired with traditional NLP scoring, to classify 44K+ open-ended user feedback comments, then ranked which features and language users valued most in a Hex dashboard.
- Segmented users' thumbs-up/down forecast ratings by forecaster, region and day in a second Hex dashboard, and wrote a SKILL.md agent framework to make the team's AI analysis workflows repeatable.

SumerIndustries | *Data Quality Analyst* | Remote | Jan 2026 – Apr 2026
- Designed the evaluation rubric, scoring sheets and QA workflow adopted as the team's standard for 3,000+ financial AI outputs, scoring each on accuracy, uncertainty handling and usability against reference answers.
- Ran my rubric side by side with the original workflow and presented the comparison to PMs and engineers. It pinpointed failure points with 80% more accuracy, so engineers knew which failure types to fix next.

BW Research Partnership | *Economic Research Analyst* | San Diego, CA | May 2024 – Aug 2024
- Used survey research and economic data to study how funding startup incubators could shift Kauai's economy away from its dependence on tourism, then turned the findings into recommendations that helped advise the island's local government.
- Ran market research for California state agency clients and built 15+ data visualization briefs in Tableau and PowerPoint executive summaries, then presented the findings to agency leadership.
- Co-authored a white paper on 2017–23 federal EDA grants with Tableau visuals, finding 79.7% went to economic projects vs. 14.9% to workforce programs, and compared results across presidential administrations.

PROJECTS & LEADERSHIP

Surf Frame | *Personal Project*
- Built a Raspberry Pi e-ink display that turns surf forecasts into a calm, glanceable read and learns how I rate my sessions.
- Wrote an ML layer that tunes condition ratings to my logged surfs (scipy L-BFGS-B), with weights in Railway PostgreSQL.
- Combined a weather API, a climatology data API and NOAA buoy data into one pipeline that feeds the display, then used the model to cut rating error (MAE).

SwipeSaver | *Personal Project*
- Designed in Figma and built an iOS personal finance app that sorts spending with a swipe, syncing live bank data through Plaid.
- Categorized each transaction with an LLM call paired with NLP scoring, then shared the app with real users.

Surfrider Foundation at UC Berkeley | *Operations Manager* | Berkeley, CA | Sep 2023 – May 2026
- Ran live-music fundraisers end to end (venues, 3–5 bands a show, 15+ volunteers) for crowds of 300–500, raising $12K+.
- When venues failed fire inspection 10 days out, used the bands' contacts to find new ones and never cancelled a show.

SKILLS

Data & analytics: SQL, Python (pandas), R, Excel (pivot tables), Snowflake, Hex, Tableau, Google Analytics (GA4)
Build & AI tools: Claude Code, Claude API, LLM pipelines, React Native (Expo), Git/GitHub, Vercel, Railway, Figma, Jira
Methods: dashboard and KPI design, data validation, survey research, regression, executive presentations
Languages & interests: Spanish (fluent), plus guitar, piano, film photography, painting, live music, surfing and surfboard shaping