



# Data Science & Visualization Specialist – Product Design (ie. the new DataViz teammate’s role)

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# 1 DataViz Team Request

On behalf of the DataViz team, Brad Fuellenbach requested specific work samples. In response to the gracious inquiry of the kind-hearted Brad Fuellenbach, I offer the following details:

1. Compulsory sample work ([subsection 2.1](#))

*A sample of your work demonstrating your statistical data analysis and data visualization skills in R or Python. This should include the actual code and any output produced by the code.*

2. Optional sample work ([subsection 2.2](#) and [subsection 2.3](#))

*Any other sample work you have that you feel would be relevant to this position based on the attached [Job Description](#) (code, visualizations, presentations, projects, papers, links to websites, etc). Resumes offer only a limited glimpse into a person's capabilities, so use this as an opportunity to tell the team more about you, your passions, and the work that you've done!*

## 2 Candidate Sample Work

Hello esteemed DataViz team members. As you may have noticed on my [resume](#), I've held pivotal roles in data science and visualization at leading companies such as Twitter, Google, and PayPal. Confidentiality constraints prevent sharing most work examples from the years on these teams; however, I built a quick project especially for you ([subsection 2.1](#)) in addition to sharing a few other selections of prior work ([subsection 2.2](#) and [subsection 2.3](#)). I trust these examples will ignite engaging discussions for us all.

### 2.1 Fluency using statistics and visualizations in Python

As a special edition project for the DataViz team at Apple, this work aims to show code examples in a fun way and explore the question: What topics exist in these tweets?

- tweet topic modeling: [notebook](#) | [repo](#)

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### 2.2 Passion for creating informative visualizations

I have a passion for creating informative visualization. This passion has been a mainstay in my life from my early career days at GNIP to building energy consumption visuals at a B-Corp to more recently being interviewed about DS & viz while working at PayPal.

- Boulder Startup Week presentation on viz development: [presentation link](#) | ~~[repo](#)~~
- US energy consumption map [viz](#)<sup>1</sup> | [repo](#)

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<sup>1</sup>See an early iteration of the energy consumption map called [tax music](#) for some context on how this project meandered through a many iterative cycles.

## 2.3 Collaborative comrade

Building environments across teams that foster authentic relating opportunities is a top value of mine. To be able to create feedback loops supporting iterative design, I find it critical that trust is a currency we all trade. As such, collaborative opportunities give my life an enrichment that I carry home after work.

- Tye chart collaboration: [Kolb's charts](#) & [interactive Tye chart](#) | [repo](#)
- I was interviewed<sup>2</sup> on DS & Viz culture: [What makes culture fit?](#) | [repo](#)

## 3 Candidate Leading Principles

The major chords in my life have emerged time and again as a result of being surrounded by brilliant people who know how to hone in on what it takes to develop team dynamics:

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- **Foster authentic relating.**
- **Lead as a learner.**
- **Create a culture of iteration.**

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The remaining principles were found in pursuit of the first three:

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- Interpersonally, assume the best.
- Share gratitude.
- Celebrate success.
- Be vulnerable; risk being courageous.
- Build camaraderie; risk being vulnerable.
- Create opportunities (for everyone).
- Author adventures into the unknown.
- Laugh often.

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My hope is that these principles come to life in the work shared. I look forward to our looming discussions and consider writing this paper an honor. As such, I'm delighted to present you, dear DataViz crew, with a wider lens into my candidacy.

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<sup>2</sup>Here's a link to all of the interview details: [episode](#)