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

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Contents

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.

- US energy consumption map: viz[1] | repo

- Boulder Startup Week presentation on viz development: presentation link | ~~repo~~

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[1] 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[2] 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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[2]Here's a link to all of the interview details: episode