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Data Analytics Boot Camp
Project 3 Proposal
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The self is not something ready-made, but something in continuous formation through choice of action.
– John Dewey

Knowledge of the self is the mother of all knowledge. So it is incumbent on me to know myself, to know it completely, to know its minutiae, its characteristics, its subtleties, and its very atoms.
– Khalil Gibran

There's only one corner of the universe you can be certain of improving, and that's your own self.
– Aldous Huxley

Project: Web Based Portfolio

Objective:
- to develop an online project-based portfolio of work presented through dynamic visualizations generated from a complex database and archive
- to establish a taxonomy of experience and results and present them in a format that is legible and understandable
- to demonstrate the scope and breadth of my project and work history through various trajectories
- enable the reader to navigate through my portfolio and work history at their discretion
- to illustrate relationships and commonalities through qualitative, quantitative, and temporal representations
- to tell the story of who I am and the work I have done

Tools:
- Python Flask API
- HTML CSS Javascript, database (MySQL)
- User Experience and Interaction Design
- Dataset (minimum 100 records)
- Views (minimum 3 visualizations, minimum 3 pages)

Process:
- develop a taxonomy of my achievements, assigning values to signs, classifying concepts, projects, and work through systemic thinking to establish a scheme for representation;
- develop a detailed database based on classifications and call upon it for various visualizations
- develop a Python Flask API and build that into a web component through HTML, CSS and Javascript, calling upon it with database SQL programming

- analyse my work history and achievements to reach various conclusions about my abilities
- develop a method for representing this work history over time through web visualizations

Purpose:
- to position myself in a new field of data analytics to demonstrate skills and value
- to establish a visual representation of my portfolio, resume and timeline of work
- to organize and illustrate my body of work through various scopes and iterations
- to illustrate commonalities and themes over time
- to reveal relationships between seemingly disparate elements

Types of Visualizations Employed:
- Timeline
- Stacked or horizontal bar charts
- Pie chart
- Line chart with dual axis

Methods for Organizing Data:
- By client and type
- By role and field
- By time
- By values such as duration and income
- By results

Types of Work/Data:
- Writing – academic, research, journalism, non-fiction, fiction, poetry
- Video Production (skills) – editing, cinematography, webcasting
- Video Production (genres) – documentary, experimental, promotional, corporate
- Visual Art – painting, photography
- New Media – CD-ROM, DVD-ROM, VR, projection