

ANTONIA VILLA

FULLSTACK WEB DEVELOPER

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I'm a full stack developer who refuses to believe data visualization's only role is as a scientific tool for data analytics. With a deep rooted background in analytics, I learned that data is just a collection of numbers until you turn it into a story. Visualization can break down numbers into patterns, trends, and make information interesting and even beautiful. My goal is to make data more accessible to the people through interactive, informative visualizations and empower them to learn from it.

SKILLS

FRONT END: React, Typescript, JavaScript, jQuery, GraphQL, HTML, CSS, Storybook, MUI
BACK END: Node JS, Airbyte, Temporal, PostgreSQL, MongoDB, CubeJS, Datadog
VISULIZATION: d3, Recharts, Chart.js, MUI Charts, Mapbox
ANALYTICAL: PostgreSQL, MySQL, R, Python, Tableau, Looker Studio
DESIGN: Photoshop CS6, Figma, Adobe Creative Suite

EXPERIENCE

Logixboard: Seattle, WA

Software Engineer

October 2023 – present

- Worked on a team of engineers to implement new data integrations using Temporal
- Decoupled data model to create universal model including large scale database migration, data backfilling and corresponding front end application changes

BI Engineer & Analyst

January 2022 – October 2023

- Implemented and deployed ETL Pipeline hosted on AWS Infrastructure using Airbyte to sync from 13 different sources
- Built and maintained data warehouse in BigQuery optimizing for cost through the use of scheduled queries and analytical views
- Developed snapshot views of all data sources through SQL procedures to ensure data completeness for stakeholders at all times
- Implemented Salesforce and Hubspot integrations to expose analytical models to sales and marketing teams to drive renewals, upsells, and increase engagement
- Created reporting suite for various stakeholders to use to assess progress toward department OKRs and uncover critical business insights
- Conducted ongoing cost analysis for R&D to understand infrastructure cost per customer and help drive changes to pricing model
- Learned and implemented AWS VPN configuration for ETL Server to enhance security and ease of access for other engineers

Software Engineer

January 2020 – January 2022

- Conducted market research, interviewed customers and partnered with design to create analytical platform
- Built analytical backend service leveraging CubeJS and integrating service with existing RLS policies through development of a custom PostgreSQL Driver
- Built reusable charting components library with ReCharts complete with component level filtering capability as well as report level filters and raw data CSV downloads
- Introduced and trained other engineers on cypress testing model for end to end testing

LiveStories: Seattle, WA

Data Visualization Engineer

April 2018 – January 2020

- Maintain and develop d3 data visualizations chart library on LiveStories platform; design new chart features
- Developed data transformations to ingest a unique data model and return standard output able to be consumed by all available visualizations in the LiveStories library
- Consult on the architecture of relational databases; maintain and oversee nightly database build
- Partnered on the transition of the UI from Python and Django into TypeScript and React

EXPERIENCE

CUSTOMER PORTFOLIOS: Boston, MA

Marketing Analyst

Jul 2015 – Oct 2017

- Initiated cross functional collaboration between analysts, data architects, and data engineers to turn clients strategic initiatives into accessible/trackable data structures
- Transition static products analyzing database compositions and customer segments into interactive Tableau storyboards with live data sources and filterable content for client use
- Develop and train analyst team on the implementation of ETL readiness checks to ensure accurate data for automated Lifecycle Marketing Campaigns

PATIENTS LIKE ME, INC.: Cambridge, MA

Acquisition Analyst

Apr 2014 – Jul 2015

- Develop multivariate ad testing and monitor daily results to optimize cost per acquisition on Google Ads, Facebook Ad Manager, and YouTube Video Advertising
- Design and implement recruitment project plans including budget structuring, KPI, and ad strategy
- Manage simultaneously projects ranging in scope from 100 acquisitions in one month to 100,000 acquisitions over two years

MIT, ANNUAL FUND: Cambridge, MA

Data Analyst, Class and Affinity Giving

Aug 2012 – Apr 2015

- Create interactive tools to display data; macros, data models, and data visualizations
- Design user-friendly reports to facilitate improved functionality for departmental data

EDUCATION

HARVARD EXTENSION SCHOOL: Programming Certificate

Jan 2016 – May 2017

HAMILTON COLLEGE: Bachelor of Arts, Mathematics and Fine Arts

May 2012

AWARDS AND RECOGNITION

BRA Certified Artist – works currently showing in Metro Boston Area

Recipient of Artist Fellowship Grant, Somerville Arts Council

June 2016