Liz Anderson

Passionate about data and building digital products.
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SKILLS

- ✧ 10+ years full stack development experience with GIS applications and public facing websites
- ✧ Shipping new products, data visualization, API & databases, interactive maps, internal tools
- ✧ Javascript (React, Node, D3), Figma, Mapbox, Typescript, Tailwind, Python, SQL, CI/CD, Docker, AWS, Heroku

EXPERIENCE

Senior Full Stack Developer, **Ctrees** - *Climate non-profit tracking carbon emissions & deforestation*   Oct '23 - Present

- ✧ Led development on multiple interactive geospatial data products built with React, Mapbox, and D3.js, delivering responsive, exploratory interfaces for spatial and temporal analysis.
- ✧ Built and maintained Python endpoints for a Flask API, structuring data responses to support data visualizations.
- ✧ Familiar with PostGIS, tile layer management, and vector/raster distinctions through hands-on map configuration and third-party basemap integrations.
- ✧ Developed and maintained a reusable Git package to streamline Mapbox functionality across products, including GitHub Actions for automated, environment-specific deployments.
- ✧ Implemented secure OAuth authentication with Okta, supporting seamless login/logout across different platforms.

Software Engineer, **Eventbrite** - *Payouts & Billing*   Oct '22 - Mar '23

- ✧ Reduced creator payout time by minimum of 20% by implementing the feature across multiple repositories.
- ✧ Implement features, resolve bugs, and write unit tests in React and Python.
- ✧ Participated in an Agile development environment with regular team collaboration and sprint planning.

Web Developer, **Capital Public Radio** - *Digital Products*   Dec '19 - Feb '22

- ✧ California Wildfire History Map, *Displaying effects of climate change on wildfires in California (1878 to 2020).*
  - ✳ Analyzed CalFire data in R to reveal trends. Used jQuery, Mapbox, and CSS to build the user interface.
  - ✳ Collaborative effort with data journalist and designer. Worked closely with domain experts.
- ✧ Designing API and Integrating with Third Parties, *Membership Portal*
  - ✳ Built a REST API with NodeJS and Express for membership services that processes sensitive member data and incorporates a third party database requiring OAuth.
  - ✳ Develop feature that processes data and emails an encrypted link for users to download sensitive files.
  - ✳ Set up a full CI/CD pipeline to monitor release (Docker, ECS).
- ✧ California Election Results, *Re-design of process providing live voting results within state and country elections.*
  - ✳ Automated data scraping/cleaning using Python and Selenium, incorporated third party APIs.
  - ✳ Enabled newsroom the ability to update race information on the voting results page as news occurred.

Software Developer, **Intel Corporation** - *Business Operations*   Jun '15 - Dec '19

- ✧ Transformed a multi-hour manual process of migrating a custom server building system from SAP to Salesforce.
- ✧ Supported business ops by maintaining and adding features to multiple tools used in the supply chain (C#/.NET).

OTHER PROJECTS

Taylor Swift Database, *Visualizes bracelet ideas, songwriting collaborators and lyrical analyses*

- ✧ Developed with React, Typescript, Tailwind, and SQLite. Analyzed data using Python to prototype the vision.

Birth Sound Interactive, *Inspired by the correlation between music theory and astrology*

- ✧ Designed and built with React, HTML Canvas, and Tone.js. Deployed via AWS to an EC2 instance.

EDUCATION

University of Central Florida, Orlando, Florida
Bachelor of Science, Computer Science

Brno University of Technology, Czech Republic
Minor in International Engineering