

RYAN ZIMMERMAN

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linkedin.com/in/w-ryan-zimmerman

Full Stack Developer, 9 years exp.
Data Analyst, **Researcher**

Open source contributor
Manager & **Mentor**

Developer & Researcher



TALUS ANALYTICS

BOULDER, CO | APR 2020 – PRESENT

As the the lead developer for Talus Analytics, I was responsible for designing and implementing both the technical side of full stack projects and the internal tooling used across many projects to make them faster, less expensive to maintain, and more accessible to both developers and non-technical members of the team.

In addition to leading development of new projects, I am responsible for maintaining a variety of projects and systems involving 32 repositories and many resources including over 20 Elastic beanstalk applications with over 40 EC2 instances running several platforms, connecting to over 50 databases running on 5 database servers, in addition to fully serverless applications.

Publicly available projects for which I have held significant or leadership roles include COVID Local, COVID AMP, HIV Policy Lab, Epidemic EM, COVAT Now, and others.

I have also taken the lead on designing the structure and best practices for a launching new projects, standardizing the primary branch names and purposes, and building both resource and code automations. Project launch time has reduced from a day and a half down to just half an hour, while increasing test and development environments making deployment more robust and client communication easier.

In addition to project automation, I have also developed internal libraries such as AirtableCMS, which allows non-technical users to edit all site content in Airtable and streamlines the deployment process while testing all content definitions. I have also developed the DimPlot library, which is a modern react-first plotting library which is designed with fast visualization iteration in mind.

Contractor & Equity Partner



DA VINCI INDUSTRIES

WISCONSIN – REMOTE | FEB 2019 –JUN 2020

Responsible for DaVinci Industries' technical platform and engineering integration, building database and web application which integrated with iMonnit (sub-ghz transmitter & gateway vendor) embedded devices to display interactive visualizations in real time. I also built a retail store simulator in Python to generate realistic notional sensor data for proof of concept analysis and testing the web application. I built and administrated the web server and database on Digital Ocean: nginx proxy server, gunicorn web socket server, django application server, and postgresql database.

Created production-ready Solidworks parts for custom retail display units for American Provenance, a cosmetics brand, and created final dimension drawings which were used to get manufacturing quotes, along with final renderings to visualize the product displays.

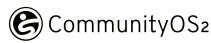
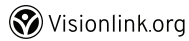
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Sites & Social: | blog.ryanzimmerman.photography
ryanzimmerman.photography

Graphic & Web Designer

VISIONLINK

BOULDER, CO | JUN 2015 – APR 2020



For Project Reunify, developed static webpages, custom COS2 pages, and a custom Wordpress-powered blog which all work together to create a website site which feels like a single deployment. I also Implemented PA211 homepage designs in a custom COS2 page, developed wisconsin State 211 & State Addiction Recovery site designs, and conducted on-site photography to create site assets. Developed reusable css and html UI components which are used on multiple sites to improve consistency and interactivity.

Developed New Branding Package: HTML email signatures (including builder tool), conference banners, standardized fonts & formatting, new logo. Tools used include usage analytics, A/B testing, competitive brand analysis, Bootstrap, Hugo, Photoshop, InDesign, Illustrator, Affinity Designer, and Acrobat Pro, and implementing designs in CSS & HTML.

I also worked on data validation and visualization projects such as creating an accessible and visually appealing daily map of US fire risk, connecting and displaying FEMA floodplain maps, and cleaning and validating healthcare data. Tools used include Python, Pandas, Geopandas, Javascript, and R.

Freelance Photographer & Graphic Designer

FREELANCE

VARIOUS LOCATIONS | MAY 2013 – 2020



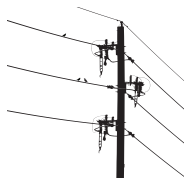
I am a humanitarian and adventure photographer/designer who specializes in working directly with clients to produce studio-quality images that convey complex messages regardless of location challenges all over the world.

I have photographed the launch of a new system to track the most at-risk orphans in Haiti, documented the effects of responsible medical donations in Guatemala, helped tell the story of the Texas msro that tested and packaged those donations, chased tornadic supercells with an international team of environmental advocates, and put faces to the voices behind Mile High United Way's 211 Call Center to highlight Healthlink211 software.

Co-Editor, Progenitor Literary Journal

ARAPAHOE COMMUNITY COLLEGE

LITTLETON, CO | JAN 2015 – MAY 2015



As a High-School senior, I served as Co-Editor and Director of Graphic Design for the 50th Anniversary edition of the Progenitor Literary Journal. As Co-Editor and Director of Graphic Design I was directly responsible for managing an \$8,500 budget, collecting estimates for and managing a large printing contract, managing a team of graphic designers, and jointly running each meeting of our seven content editors.

American Scholastic Press Association: FIRST PLACE WITH SPECIAL MERIT
Southwest Division of CCHA 2015 Literary Magazine Competition: 2ND PLACE
University & College Designers Association: AWARD OF EXCELLENCE IN DESIGN

Fencing Coach

FENCING ACADEMY OF DENVER

DENVER, CO | AUG 2012 – MAY 2013



Coached after school and recreational programs in Littleton, Parker, Northglenn, and other locations in Colorado, while competing in many North American Cups and two Junior Olympics.

I also acted as webmaster, updating and managing the fencing club website.

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