

RYAN ZERNACH
RYAN.ZERNACH.COM
RYAN@ZERNACH.COM
(470) 253-4592



DATA SCIENTIST
WEB DESIGNER
STARTUP ENTHUSIAST
NEUROTECHNOLOGIST

SUMMARY

I am uniquely equipped to remotely collaborate with team members in order to accomplish organizational goals. Although I have a tremendous amount of leadership experiences, I am a cooperative team player who likes to ask questions, never stop learning, and use critical-thinking skills for problem solving!

TECH STACK

DATA SCIENCE & SOFTWARE

- ✓ Python Programming Language
- ✓ Anaconda Virtual Environments
- ✓ AWS Elastic Beanstalk / Heroku
- ✓ Natural Language Processing
- ✓ Amazon Web Services (AWS)
- ✓ Tensorflow / PyTorch / Keras
- ✓ Plotly / Seaborn / Matplotlib
- ✓ SQL / PostgreSQL / SQLite
- ✓ Amazon RDS / TablePlus
- ✓ Command Line Terminal
- ✓ Docker Containerization
- ✓ Dash Core Components
- ✓ Github Workflow
- ✓ Pandas & Numpy
- ✓ PyPi / Test Pypi
- ✓ Scikit-Learn

OTHER/MISCELLANEOUS

- ✓ Search Engine Optimization (SEO)
- ✓ Slack & Zoom Communications
- ✓ WordPress Web Development
- ✓ Photoshop / Graphic Designs
- ✓ Brizy Web Design Studios
- ✓ iMovie / Video-Editing
- ✓ Microsoft Office Suite
- ✓ Google Cloud Suite

EDUCATION & EXPERIENCE

DATA SCIENCE, AI/ML, SOFTWARE ENGINEERING • 2019-2020 • LAMBDA SCHOOL

- ▷ Earned my Data Science endorsement from Lambda School
- ▷ Click [here](#) to view more information about Lambda School's 100% online curriculum

STARTUP FOUNDER • INSTASOD.COM, CUSTOMIZEDCHRISTMASLIGHTS.COM • 2015-2019

- ▷ Average of \$150k/yr Gross Sales — \$450k Gross Sales Over (3) Years (two businesses)
- ▷ Data Management — Automation, Invoicing, Client Management, Google Analytics
- ▷ Designer — Websites, Graphics, Digital Landscapes, Digital PDF Sales Proposals

COMPUTER SCIENCE, MATHEMATICS • 2011-2012 • GEORGIA SOUTHERN UNIVERSITY

- ▷ Completed two years of coursework before launching my small businesses.

PORTFOLIO PROJECTS (LINKS TO DETAILS IN THE TITLES)

BRAIN POWER: THE FUTURE OF COMMUNICATING WITH TECHNOLOGY

- ▷ Created Archlife.org from scratch, and recruited a team of software engineers
- ▷ Built an app for the user to control light switches & thermostats with their brain
- ▷ Built back-end Python API: communicate with EEG device, detect brain patterns

BETTER-READS: A PLATFORM FOR READERS TO TRACK, SHARE, & DISCOVER BOOKS

- ▷ Iteratively developed Natural Language Processing (NLP) predictive models
- ▷ Created back-end Python API's on AWS's Elastic Beanstalk to facilitate post requests
- ▷ Launched a PostgreSQL instance on AWS RDS to store millions of GoogleBooks data

AIRLINE FLIGHT PRICE PREDICTOR: HOW ARE FLIGHT PRICES CALCULATED?

- ▷ Tediously gathered 27M rows of data, wrangled/cleaned to 9M, **uploaded** data to Kaggle
- ▷ Built a front-end user interface for user to interact with a predictive pricing model

SPOTIFY SONG SUGGESTER: WHICH SONGS ARE MOST SIMILAR TO YOUR FAVORITES?

- ▷ Connected with Spotify's API to harvest data (and metadata) about the songs in their DB
- ▷ Built a couple of back-end Python API's to return predicted songs data to front-end

GLOBAL GLACIERS: WHERE ON EARTH ARE THE GLOBE'S GLACIERS LOCATED?

- ▷ Data exploration, story-telling with data, and unique data visualizations
- ▷ Combined data science with visual communication, moving GIF files, and graphic design

MEDCABINET: WHICH STRAINS OF MEDICINAL MARIJUANA MIGHT BE RIGHT FOR YOU?

- ▷ Built a front-end user interface for user to interact with a predictive model

ENGAGEMENT SOLUTIONS: CREATING EXPERIENCES THAT CHANGE LIFE

- ▷ Guided a new business owner through business branding exercises
- ▷ This was a freelance project — and the ninth website that I've designed
- ▷ To view more websites that I've designed from scratch, visit [Ryan.Zernach.com](#)

