

ryangrose

data driven engineer

python

spark
boto3
fastapi
poetry

aws

s3
iam
cloudformation
ec2
lambda
chalice
dynamodb

other

sql
databricks
jenkins
docker
ci/cd

education

UW CSE 2018
Data Specialization

Year abroad:
Stockholm, Sweden

contact

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305 W 45th St
New York, NY

experience

2020 - now

Data Engineer

Point72

Scaled world-class market research with efficient data infrastructure and fast ETL pipelines for alternative data (structured and unstructured) using pyspark, databricks, docker, jenkins. Led project to build automated services and APIs, reducing lead time for data publication and distribution from days to minutes (python, fastapi). Designed new transaction data ETL pipeline, reducing runtime on 200 machine cluster from 32 hours to 2 hours on our most valuable data (spark, sql). Mentored junior members and managed intern program.

2018 - 2020

Co-founder + Data Engineer

Curie

Co-founded multi-million dollar AI startup (CurieVision). Designed and built everything data: multimedia data pipelines, computer vision models, APIs, ML inference, and testing. Patent pending for novel machine-learning pipeline architecture. Used AWS serverless stack for lean, scalable, and iterable development. Crossed over into other responsibilities such as front-end, recruitment, product management.

spring 2018

Software Engineering Intern - Part Time

Kernel Labs

Designed and built legal disclosure service asidero.com. Tracked, modeled, and stored lobbying compliance information using Django Rest Framework + PostgreSQL. Created internal dashboard template + login with automated AWS deployment.

winter 2018

Software Engineering Intern - Full Time

Kernel Labs

Prototyped authorizing consent webapp from conception to deployment and marketing to prevent automated disasters in production. Built using django, nginx, jquery, and trustedkey.

projects

spring 2018

easy pandoc templates

Personal Project

Create quality markdown documents with easy-to-use templates: averaging 50 downloads worldwide per day. Created, curated, and modified pandoc templates to instantly convert documents from anywhere. Supports many document formats (markdown, latex, etc) to html or pdf with dropin capabilities for vim.

spring 2018

Image Filter Lesson

Idyll Gallery Examples

Wrote an interactive article demonstrating how image filters and kernels work for the Idyll Gallery. Built for Idyll, a language for data visualization combining React, Markup, and D3.

jan 2017

Data Denoising

Team Research Project

Developed a Kernel PCA denoiser and compared different kernel functions in character recognition.