

# Ryan Tuck

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I'm seeking compelling work in an environment where I can shoulder responsibility and innovate. I'm equally at-home automating cloud infrastructure deployment as I am collaborating with business stakeholders, and care deeply about the ergonomics of products I maintain. I feel most alive in chaotic environments and am more than capable of delivering competent and pragmatic solutions to any problem thrown my way.

## Songspace

### Senior Data Engineer

2020 - Present

- › Led 3-person Data Exchange team, responsible for onboarding all new record label clients onto the platform
- › Built serverless infrastructure using lambda capable of massive parallel throughput for processing tens of thousands of audio and image files
- › Wrote parsers for standard music industry rights data formats (EDI, XML)
- › Defined and implemented quarterly technical roadmaps
- › Performed complete migration and deprecation of legacy infrastructure to infrastructure-as-code for team resources

## Warby Parker

### Senior Data Engineer, Tech Lead, Business Intelligence

2015 - 2020

- › Grew from junior engineer to tech lead over five years
- › Acted as tech lead for a team of five BI engineers serving hundreds of corporate users
- › Led design and implementation of core data model rebuilds and Looker restructure, to take advantage of consistent dimensional modeling techniques
- › Built lookmlint, the first open-source linter for LookML
- › Built Pipes during a hackathon, a heavily-used Zapier-esque internal tool / chat bot for regularly moving data from spreadsheets to Looker and vice-versa, scaling to ~100 users and ~1000 pipes over 3+ years
- › Architected in-house python orchestration framework and managed necessary infrastructure via CI/CD
- › Started and ran monthly SQL training classes, attended by roughly 100 employees over the course of two years

## LIT

### Founder

2012 - 2014

- › Invented the LIT Halo, an LED headband with sophisticated audio-response, for the electronic dance music community
- › Raised \$17000 on Kickstarter in May 2014, falling short of necessary goal amount
- › As part of a two-person team, oversaw all aspects of hardware development, PCB design and manufacturing, C++ software development, website and marketing efforts, and LLC formation

## Skills

### Engineering

- › Serverless Framework
- › Fargate / ECS
- › API Gateway
- › DynamoDB
- › AWS CDK
- › Lambda
- › Python
- › RDS
- › SQS
- › EC2
- › IAM
- › S3

### Business Intelligence

- › Dimensional Modeling
- › Data Warehousing
- › Spreadsheets
- › Data Lakes
- › BigQuery
- › Looker
- › SQL
- › dbt

### Tools

- › Docker
- › CI/CD
- › Unix
- › make
- › tmux
- › vim
- › git

### Etc

- › Electrical engineering
- › Raspberry Pi
- › Arduino
- › Knots
- › React
- › R

## Education

### Northeastern University

BS Physics and Philosophy

2007 - 2012