

ERIC CHANG

ericchang.me

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github.com/chang

summary

Software Engineer and Data Scientist with experience from prototype to production. I enjoy building stable, performant infrastructure, writing clean, maintainable code, and creating tools that are a joy to use. I also enjoy dataviz and statistical modeling. My ideal role is a mix of both, with a strong lean towards the engineering side.

experience

Asana

Software Engineer, Data

San Francisco, CA

Aug 18 - Present

- Lead development as the DRI for Airflow at Asana, owning both pipeline tooling and infrastructure stability. Airflow schedules 50+ DAGs and 1500+ unique tasks daily, while achieving >99% uptime.
- Built and deployed Kubernetes applications for JupyterLab, RStudio, and Redash, supporting 70+ data consumers with analytical tooling. Designed the accompanying access controls and audit trail.
- Serve on the data infra oncall rotation, which is responsible for: Airflow/Luigi, Redshift, Spark/ElasticMapReduce, and analytical tooling.
- Provide Airflow/Kubernetes training and promote Python code quality on the data science and business intelligence teams.

Classy

Data Scientist Intern

San Diego, CA

Oct 17 - Dec 17

Groupon

Software Engineering Intern

Seattle, WA

Jun 17 - Sep 17

Autodesk

Data Scientist Intern

San Francisco, CA

Jun 16 - Sep 16

open source contributions

[scikit-learn](#)

Contributed [PowerTransformer's](#) core implementation of the Box-Cox transform, a "Major Release" in scikit-learn 0.20. Also wrote the [usage guide](#) documentation for PowerTransformer. ([Pull Requests](#))

[Apache Airflow](#)

Contributed various bugfixes between Airflow 1.10.2 and 1.10.4. ([Pull Requests](#))

[redash.io](#)

Implemented [partial query execution](#) (highlight and run part of a SQL query), a highly-requested feature. ([Pull Requests](#))

skills

Languages

Python, R, Shell, SQL (*Proficient*)

Scala, Rust (*Familiar*)

Tools/Technologies

Docker, Kubernetes

AWS (EC2, RDS, Redshift, EMR, EKS, ECR, Route53)

Airflow, Luigi

education

Northwestern University

B.S. Industrial Engineering

June 2018