

ERIC CHANG

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summary Software Engineer and Data Scientist with experience from prototype to production. I enjoy building performant infrastructure, writing clean code, and creating tools that are a joy to use. I also like dataviz and 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 1500 unique tasks and 17K jobs daily, while achieving >99.9% uptime.
- Built and deployed Kubernetes applications for JupyterLab, RStudio, and Redash, providing tooling for 80+ data scientists/analysts. Implemented access controls and audit trail.
- Serve on the data infra oncall rotation, which is responsible for: Airflow/Luigi, Redshift, Spark/ElasticMapReduce, Kubernetes.
- 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

Airflow, Spark, Bazel

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

education **Northwestern University** *June 2018*
B.S. Industrial Engineering