

# 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](https://scikit-learn.org)  
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](https://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**