

Christian Acuña

415.966.5530 | christian.miguel.acuna@gmail.com | San Francisco, CA

LinkedIn: [linkedin.com/christian-acuna](https://www.linkedin.com/company/christian-acuna)

GitHub: github.com/christian-acuna

Angel: angel.co/christian-acuna

TECHNICAL SKILLS

- **Proficient:** Scala, Play Framework, Spark, Kafka, PostgreSQL, Redshift, Looker, SQL, Python, Airflow, Kubernetes, Docker, Helm, AWS, EMR, HBase, Apache Phoenix, JavaScript, React, Redux, Express, JMeter
- **Exposure:** gRPC, Pinot, Druid, Presto, Superset, Spark Streaming, Hive, ZooKeeper, Java, TypeScript

WORK EXPERIENCE

Amazon | Software Engineer, Data and Cloud Platform | San Francisco, CA

April 2019 - Apr 2021

- Overhauled SQL and APIs for Scala Play microservice connecting to Apache Phoenix and HBase EMR cluster for critical international launch, optimizing P99 request time by 96% and CPU utilization by 95%
- Pioneered development of low latency online analytical processing (OLAP) distributed system to enable data-intensive applications built on Kubernetes, Pinot, Spark Streaming, and Kafka data infrastructure
- Directed team of four software engineers for 6 months to architect 7x scalable mobile analytics platform built with Snowplow, Spark, Airflow, and Looker, reducing Redshift disk utilization by 59% and overall runtime by 75% while partnering with 7 stakeholders to build framework to capture historical KPIs for GDPR & CCPA
- Migrated critical data pipeline powering reporting and analytics for all hardware units to highly scalable architecture powered by Spark, Redshift Spectrum, and Airflow, decreasing overall runtime by 92% while coaching junior engineers on software development best practices to accelerate development time by 40%

eero | Technical Lead, Enterprise Engineering | San Francisco, CA

January 2018 - March 2019

- Spearheaded V1 launch of eero's first customer-facing web product for handling software subscriptions using Docker, Fargate, TypeScript, Supertest, Node.js, and Stripe, generating millions of dollars in revenue
- Managed migration of CX agents from legacy internal tool to enterprise-grade software application, eliminating annual engineering and design costs by \$150,000 and speeding up average handle time by 35%
- Executed on rapid delivery of 4 major versions of enterprise-grade software enabling the company to grow nascent B2B channel into main driver of growth within 10 months of initial launch
- Facilitated seven-person team's adoption of agile best practices while owning prod, stage, and acceptance infrastructure and E2E integration testing harnessing Kubernetes, AWS OpsWorks & CloudFront, and GitLab

eero | Full Stack Software Engineer, Cloud & Internal Tools | San Francisco, CA

March 2017 - December 2017

- Collaborated with Pivotal Labs for five months to drive new product to initial launch using React, Redux, Node.js, AWS Lambda, and Scala while working in strict agile environment using pair programming and TDD
- Developed data visualization internal tool to accelerate time to resolve on-call incidents by 75% leveraging Presto, Node.js, D3, Looker, and Ant UI, saving \$50,000 in engineering time and 3 weeks of design resources

U.S. Department of State Fulbright Program | Software Engineer | Nanjing, China

August 2015 - November 2016

- Engineered responsive mobile-first, single-page platform to process 2000+ photography exhibits across 5 major cities utilizing JavaScript, HTML5, and CSS3 media queries to ensure cross-platform compatibility

EDUCATION

B.A. History - Specialization: Chinese History and Language, Reed College

May 2014

PROJECT WORK

La Paws Dog Classifier | Machine Learning Engineer | [live](#) | [code](#)

June 2020

A web app to discover dog breed using state-of-the-art ML model from a single photo

- Trained ResNet50 CNN with PyTorch to classify 133 dog breeds at 88% accuracy after 136 epochs
- Deployed Flask web app to Docker-based serverless platform for real-time online inference

LEADERSHIP + AWARDS

President & VP of Education, San Francisco Mandarin English Toastmasters (旧金山中英双语演讲会) December 2020

Chinese Critical Language Enhancement Award (Top 20 Scholars), U.S. Department of State

August 2015