

# Brian Fu

## WORK EXPERIENCE

### Cisco — Software Engineer

SUMMER 2021 - PRESENT

- Developed pipelines to integrate data from multiple Salesforce accounts through Heroku Connect.
- Maintained an Airflow service running 100+ jobs.

### AppDynamics — Software Engineering Intern

SUMMER-FALL 2020

- Developed migration scripts from MySQL to TimescaleDB accounting for partition parallelism and cache compression.
- Exposed API's for logging Kafka metrics data from existing services.

### Cal/Amp — Software Engineering Intern

SUMMER-FALL 2019

- Architected and prototyped a scalable message queue to enrich and route hundred-thousands of messages per minute utilizing Kafka.
- Translated a driver scoring service from C# to Java, implemented API endpoints, initialized database schemas. Reduced storage cost by 70%.

SUMMER 2018

- Interpolated a true road path from a sparsely populated coordinate list.
- Classified vehicle make/model/year on engine computer data using ML

## EDUCATION

### University of California, Berkeley

2017-2021

BA, Computer Science | Minor, Data Science

Research: Dr. Dan Garcia, Computational Game Theory

Lab Assistant: Coding in Python CS61a, Data Structures in Java CS61b

## PROJECTS

<https://brianfu.me/#portfolio>

### brianfu.me, personal website

A feature rich terminal style personal website portfolio. (check it out!)

### Sub-AR, Hack MIT

Generate subtitles in augmented reality that are tracked to the speaker.

### Kinesis.ai, Collider Cup

Real-time feedback for home physical rehabilitation exercises. In collaboration with Sensopro.

### Bearfaced, CalHacks

Utilize emotion detection and image labeling neural networks to paste an image of a bear's face with your emotion over your face.

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<https://brianfu.me>

[github.com/brianfu9](https://github.com/brianfu9)

## LANGUAGES

- Python
- JavaScript
- Java
- Go
- C

## TECH STACK

- Docker
- Kubernetes
- AWS, GCP, Heroku, Mulesoft
- SQL/NoSQL Databases
- Kafka
- Airflow
- Node, Flask, Spring
- TensorFlow Keras
- Data modeling, analytics, visualization

## SKILLS

- Boy Scouts: Eagle Scout
- MTAC: Piano - Level 10
- Proficient in Mandarin

## INTERESTS

- Hackathons
- Swim
- Photography
- Music

## ONE-LINE WONDERS

- AI documents your code
- AR colorblind correction
- Car glass navigation

