

Brian Fu

WORK EXPERIENCE

Lacework — Senior Software Engineer

March 2022 - Present

- Technical owner of vulnerability ingestion pipeline.
- Designed and implemented pipelines to facilitate a 100% increase in the consumption of third-party CVE feeds.
- Scanned 300k+ client repository manifests to generate prioritized and actionable vulnerability reports for their security operations.

Cisco — Software Engineer

July 2021 - March 2022

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

AppDynamics — Software Engineering Intern

June 2020 - November 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

June 2018 - August 2018, June 2019 - November 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%.
- 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>

Sub-AR, Hack MIT

Generate subtitles in augmented reality that are tracked to the speaker; utilizing FFT voice disambiguation and multiple-mic triangulation.

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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github.com/brianfu9

LANGUAGES

- Python
- JavaScript
- Java
- Go
- C

TECH STACK

- Kubernetes
- Docker
- AWS, GCP, Heroku, Mulesoft
- SQL/NoSQL Databases
- Snowflake
- 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

- Buy shares of friends
- AR colorblind correction
- Car glass navigation

