

Brian Fu

EDUCATION

University of California, Berkeley

2017–2021

Computer Science | Data Science

Research: Computational Game Theory under Dr. Dan Garcia

Teaching: Coding in Python CS61a lab, Data Structures in Java CS61b lab

WORK EXPERIENCE

Cal/Amp Corp. — *Software Engineering Intern*

SUMMER 2019

- Architected and implemented a highly scalable message queue to enrich and route 200,000 messages/minute.
- Engineered a driver scoring algorithm validated against 3000 operators.

SUMMER 2018

- Interpolated user's path traveled along listed roads from a sparsely populated coordinate list.
- Classified vehicle make/model/year on engine computer data using ML.

Vanguard International Semiconductor — *IT Intern*

SUMMER 2017

Developed information collection forms and quality-of-life improvements to the internal company network. Translated work from Chinese to English.

PROJECTS

<https://github.com/brianfu9>

brianfu.me, personal website

Ongoing

A terminal style personal website where users browse by inputting the page they want to access into a command line.

Lifework Online, Cal Start-up Launchathon

March 2019

Developed an MVP escrow web app for guaranteeing payments to freelance workers utilizing the Stripe API. Won second place overall.

Bear Faced, Cal Hacks

November 2018

Pastes an image of a bear's face with your emotion on a picture of your face utilizing emotion detection and image labeling neural networks.

iSho, Hack MIT

September 2018

An interactive force-graph of enterprise markets and transactions. Nodes are companies and edges represent a transaction. Each node's distance is determined by the size and quantity of transactions. Won Kensho API prize.

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<https://brianfu.me>

github.com/brianfu9

LANGUAGES

- Python
- JavaScript
- Java
- Go
- C

TECH STACK

- Docker
- Kubernetes
- Amazon Web Services
- Google Cloud Platform
- Digital Ocean
- SQL/NoSQL Databases
- Kafka message queue
- HTTP REST
- Node, Flask, Serverless
- Spring Framework
- TensorFlow Keras
- Data modeling, analytics, visualization

SKILLS

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

INTERESTS

- Hackathons
- Swim
- Cross Country
- Photography
- A Capella

