Brian Fu

(510) 833 - 7002
brianfu9@berkeley.edu
https://brianfu.me
github.com/brianfu9

EDUCATION

University of California, Berkeley
2017–2021

Computer Science | Data Science minor

Classes: Data Structures, Algorithms, AI/ML, Security, Data Science/Analysis
Research: Computational Game Theory under Dr. Dan Garcia
Teaching: Coding in Python CS61a lab, Data Structures in Java CS61b lab

WORK EXPERIENCE

AppDynamics — *Software Engineering Intern*
SUMMER 2020
- Developed a migration script from MySQL to TimescaleDB accounting for partition parallelism and cache compression.

Cal/Amp — *Software Engineering Intern*
SUMMER 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 road path from 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 portfolio.

Sub-AR, Hack MIT
September 2019
Generates subtitles in augmented reality attached to the person speaking. Utilizes multiple microphones to triangulate up to 3 people speaking at once.

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.

iSho, Hack MIT
September 2018
Created a force-graph of enterprise markets and transactions. Nodes are companies and edges represent transaction size. Won Kensho API prize.

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