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| Brian Fu  **EDUCATION** University of California, Berkeley 2017-2021Computer Science | Data Science minorClasses: Data Structures, Algorithms, AI/ML, Security, Data Science/AnalysisResearch: Computational Game Theory under Dr. Dan GarciaTeaching: Coding in Python CS61a lab, Data Structures in Java CS61b lab **WORK EXPERIENCE** AppDynamics Cisco — *Software Engineering Intern*SUMMER-FALL 2020Developed a migration script from MySQL to TimescaleDB accounting for partition parallelism and cache compression.Exposed API's for consuming Kafka metrics data from existing services.Cal/Amp — *Software Engineering Intern*SUMMER-FALL 2019Architected 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 2018Interpolated a true road path from sparsely populated coordinate list.Classified vehicle make/model/year on engine computer data using ML.Vanguard International Semiconductor — *IT Intern*SUMMER 2017Developed 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 that follow the people speaking. 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. Bearfaced, CalHacks November 2018 Utilized emotion detection and image labeling neural networks to paste an image of a bear's face with your emotion on your face. | (510) 833 - 7002  brianfu9@berkeley.edu  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, Micronaut, Dropwizard * TensorFlow Keras * Data modeling, analytics, visualization  SKILLS  * Boy Scouts: Eagle Scout * MTAC: Piano-Level 10 * Proficient in Mandarin  INTERESTS  * Hackathons * Swim * Photography * A Capella |
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