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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 — *Software Engineering Intern*SUMMER 2020Developed a migration script from MySQL to TimescaleDB accounting for partition parallelism and cache compression.Cal/Amp — *Software Engineering Intern*SUMMER 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 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 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. | (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 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 |
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