# STEPHANIE FONG

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## EDUCATION

**University of California, Berkeley** *Expected: May 2021*

B.A. in Computer Science

Coursework: Data Structures, Computer Architecture, Intro to AI, Algorithms, Intro to ML,
Intro to Internet: Architecture & Protocols, Principles of Data Science,
Structure & Interpretation of Computer Programs, Data Science DeCal, Databases,
Networks, Operating Systems, Front-End Web Architecture

## EXPERIENCE

**Microsoft Corporation** Summer 2020

*Software Engineer Intern* *Redmond, WA*

· Designed Full-Stack REST API according to Azure File Service API requirements, working with end-users to exceed requested needs and ensure coverage of all use-cases.
· Implemented and delivered API to retrieve File Properties for files using .NET Framework – API will initially consumed by Azure File Service before being released to public.
· Thoroughly tested API using unit-tests, PowerShell scripts, and end-to-end testing within a development environment to ensure API meets agreed requirements.

**Apple, Inc.** Summer 2019

*Software Engineer Intern* *Santa Clara, CA*

· Integrated microservices using NodeJS and Pact consumer driven contract testing framework to ensure stable releases upon deployments within product's lifecycle.
· Created code coverage and UI testing using Jest and React test framework for CI/CD pipeline reducing faulty code by 50% (snapshot based unit testing).
· Researched application of machine learning for log analysis to expedite test strategy and minimize manual testing.

## PROJECTS

**MOOCbase**

· Constructed back end logic for a fully-operational, concurrent, SQL database
· Implemented B+ tree indices, join algorithms, and query optimization
· Utilized 3 layer structure to implement multi-granular locking
· Recreated ARIES recovery system for an ACID compliant database

## TECHNICAL STRENGTHS

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|---|---|
| **Proficient In** | Java, Python, LaTeX, Git, Vim |
| **Experience With** | C, C#, C++, HTML, CSS, Django, PostgreSQL, SQLite, NodeJS, Android Studio, Swift, IntelliJ, NPM, Adobe Photoshop/Illustrator, Microsoft Office Suite |

## ACTIVITIES & INTERESTS

Course Academic Intern, Department Peer Adviser, The Berkeley Project, Education

Latte Art, Yoga, Hiking, Cooking, Baking