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Brian Zhen

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EXPERIENCE

Dell EMC – *Software Engineering Intern* June 2017 – August 2017

- Accelerated data integrity checks tool by 50% using **Python**'s multiprocessing module, cutting wait time in half, normally measured in days on large data sets, to find data integrity issues.
- Data tool used daily by QA teams. All code was reviewed and pushed to production.

UC Berkeley – *Research Assistant* January 2017 – May 2017

- Collaborated in a team of four with Professor Deborah Nolan to develop statistical models for classifying customer reviews as having positive or negative sentiment using **Python** and **Tensorflow**.
- Deployed models onto **Linux** compute servers for training and testing.

Cavium Inc. – *Software Engineering Intern* June 2016 – August 2016

- Architected **Python** script to generate dynamic schematics of test environments, thereby eliminating need for manual code walkthrough to visualize interconnected components.
- Authored a white paper to further document codebase and empower future enhancements.

UC Berkeley – *Lab Assistant* January 2015 – May 2015

- Guided students with concepts in abstraction, recursion, and OOP in lab and office hours.

SKILLS

- **Languages:** Python, Java, R, SQL, C, HTML, CSS, JavaScript
- **Tools/Frameworks:** Git, Spark, Numpy, Scipy, Pandas, Scikit-learn

PROJECTS

Stock Chart – *github.com/bzhen/stock_chart* Spring 2018

- Designed and implemented a webpage displaying a stock chart allowing the user to select among a list of stocks and optionally visualize the stock's moving average using **Flask**, **Javascript**, and **Quandl**.

404 Page – *ocf.berkeley.edu* Fall 2017

- Led the design and development of the 404 page for the Open Computing Facility, a UC Berkeley student organization dedicated to free and **open-source** computing, in **Django** and **HTML**.

EDUCATION

University of California, Berkeley. Graduated **August 2018**
B.A. **Computer Science**.

Fu Jen Catholic University, New Tapei City, Taiwan. July 2018 – August 2018

- Intensive six-week immersion course in Chinese business.

COURSEWORK

CS 61B: Data Structures
CS 186: Database Systems
DS 100: Principles and Techniques of Data Science
CS 170: Efficient Algorithms and Intractable Problems
CS 161: Computer Security
CS 162: Operating Systems
CS 188: Artificial Intelligence
CS 168: Internet Architecture and Protocols