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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 profiling source code and using **Python**'s multiprocessing module to parallelize bottlenecks.
- Achieved a 50% reduction in wait time, normally measured in days on large data sets, to find data integrity issues.

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
- Designed, prototyped, and developed a **Python** script to generate schematics of test environments.
- Eliminated need for manual code walkthrough to visualize interconnected components.
- Authored a white paper to further document codebase and empower future enhancements.

EDUCATION

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

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

Fu Jen Catholic University, New Taipei City, Taiwan.   July 2018 – August 2018
- Intensive six-week immersion course in Chinese business.

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 – *github.com/ocf/ocfweb/pull/379*   Spring 2018
- 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**.

Gitlet   Spring 2015
- Designed and implemented a version control system that mimics the basic features of Git in **Java**.
- Architected an immutable commit tree to preserve individual commit nodes and support commands including "init", "add", "commit", "remove", "checkout", and others.

SKILLS

- **Languages/Tools:** Python, Java, R, SQL, HTML/CSS, JavaScript, Numpy, Pandas, UNIX