


BENJAMIN RAN

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EDUCATION	University of California at Santa Cruz , Santa Cruz, California <i>Bachelor of Science, Computer Science</i> 2014–2017 (EXPECTED) - GPA: 3.98 Gunn High School , Palo Alto, California - GPA: 4.19 weighted, 3.83 unweighted 2010–2014
PROFESSIONAL EXPERIENCE	Waterline Data , Mountain View, CA JUNE 2015–SEPTEMBER 2015 <i>Software Engineering Intern</i> Website Worked in a quickly-growing Data Science startup - Configured and debugged HDFS environments - Wrote regression, integration and unit tests for primary product - Configured and worked with CDH and HDP Hadoop distributions using Kerberos authentication as well as Apache Sentry and Ranger authorization to ensure proper function of the Waterline Data Inventory in its interactions with HDFS and Hive HackUCSC Hackathon , JANUARY 2016 <i>Developer</i> Devpost Source Created an Android app that rates longboard tricks based off sensor data from the board - Wrote Bluetooth receiver and custom protocol for serial bluetooth data transmission - Project was featured on Devpost front page and was a hackathon winner
PRIVATE PROJECTS	GetGreen Intonation Analysis JUNE 2014–PRESENT <i>Android Application</i> Store Source Developed an app that performs realtime statistical analysis of musicians' intonation - Implemented autocorrelation and zero-cross pitch detection algorithms - Configure continuous integration server and build process - Used concurrency mechanisms and design patterns to architect a multithreaded dataflow that ensures app responsiveness on top of realtime data processing SoE Event Scraper MARCH 2015 <i>Web Service</i> Source Created a web crawler to scrape and publish a feed of the UCSC Engineering events page Afraid of Flying MAY 2014–JUNE 2014 <i>Android Application</i> Source Store Published an app to the Google Play store that uses multiple sensors to detect free fall
SKILLS	- Android Development - HDFS Administration - Test Automation - Hadoop - Kerberos Administration - CI Configuration
LANGUAGES	Java, Python, C, Bash, Javascript
INTERESTS	Programming, Jazz, Trumpet, Gymnastics, Windsurfing