
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 <i>Software Engineering Intern</i> 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	JUNE 2015–SEPTEMBER 2015 Website	
	HackUCSC Hackathon, <i>Developer</i> 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	JANUARY 2016 Devpost Source	
PRIVATE PROJECTS	GetGreen Intonation Analysis <i>Android Application</i> 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	JUNE 2014–PRESENT Store Source	
	SoE Event Scraper <i>Web Service</i> Created a web crawler to scrape and publish a feed of the UCSC Engineering events page	MARCH 2015 Source	
	Afraid of Flying <i>Android Application</i> Published an app to the Google Play store that uses multiple sensors to detect free fall	MAY 2014–JUNE 2014 Source Store	
SKILLS	- Android Development - Hadoop	- HDFS Administration - Kerberos Administration	- Test Automation - CI Configuration
LANGUAGES	Java, Python, C, Bash, Javascript		
INTERESTS	Programming, Jazz, Trumpet, Gymnastics, Windsurfing		