


BENJAMIN RAN

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EDUCATION	University of California at Santa Cruz , Santa Cruz, CA <i>B.S. in Computer Science</i> - Relevant Coursework: Algorithms, Machine Learning, Database Management Systems - GPA: 3.98 Gunn High School , Palo Alto, CA - GPA: 4.19 weighted, 3.83 unweighted	2014–2017 (EXPECTED) 2010–2014
EXPERIENCE	A9.com (Amazon) , Palo Alto, CA <i>Software Engineering Intern</i> Developed BI tools for large-scale, ad-hoc ad server log analysis - Developed and deployed log sampling tool using Hive and ElasticSearch - Created a Hive Wizard to flexibly build complex Hive queries using crowdsourced query fragments - Won first place in A9 Intern Hackathon UCSC Genomics Institute - Computational Genomics Lab <i>Developer</i> Deployed storage service for genomics data processing - Adapted ICGC cloud storage system for highly automated and secure triggering of UCSC genomic analysis workflows - Used Docker, Spring Boot, OAuth2.0, MongoDB, Amazon S3 and KMS Waterline Data , Mountain View, CA <i>Software Engineering Intern</i> Data Science startup developing a tool for Hadoop data governance and discovery - Wrote regression, integration and unit tests - 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 <i>Developer</i> Created Android app for four-person project in rating longboard tricks via sensor data - Used multithreaded architecture to receive Bluetooth data and display results - Project was featured on Devpost front page and was a hackathon winner	JUNE 2016–SEPTEMBER 2016 Website APRIL 2016–PRESENT Website JUNE 2015–SEPTEMBER 2015 Website JANUARY 2016 Devpost Source
SKILLS	- Android Development - Hadoop & HDFS - Data Analysis - Full Stack Development - Machine Learning - Automation	
LANGUAGES	Java, Python, C, Bash, Javascript	