
BENJAMIN RAN

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EDUCATION	University of California at Santa Cruz, Santa Cruz, CA <i>B.S. in Computer Science</i>	2014–2017 (EXPECTED)	
	- Relevant Coursework: Algorithms, Machine Learning, Database Management Systems		
	- GPA: 3.98		
EXPERIENCE	Gunn High School, Palo Alto, CA	2010–2014	
	- GPA: 4.19 weighted, 3.83 unweighted		
EXPERIENCE	A9.com (Amazon), Palo Alto, CA <i>Software Engineering Intern</i>	JUNE 2016–SEPTEMBER 2016	
	Developed BI tools for large-scale, ad-hoc ad server log analysis	Website	
	- 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		
EXPERIENCE	UCSC Genomics Institute - Computational Genomics Lab <i>Developer</i>	APRIL 2016–PRESENT	
	Deployed storage service for genomics data processing	Website	
	- 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		
EXPERIENCE	Waterline Data, Mountain View, CA <i>Software Engineering Intern</i>	JUNE 2015–SEPTEMBER 2015	
	Data Science startup developing a tool for Hadoop data governance and discovery	Website	
	- 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		
EXPERIENCE	HackUCSC Hackathon <i>Developer</i>	JANUARY 2016	
	Created Android app for four-person project in rating longboard tricks via sensor data	Devpost Source	
	- Used multithreaded architecture to receive Bluetooth data and display results		
	- Project was featured on Devpost front page and was a hackathon winner		
SKILLS	- Android Development	- Hadoop & HDFS	- Data Analysis
	- Full Stack Development	- Machine Learning	- Automation
LANGUAGES	Java, Python, C, Bash, Javascript		