

BENJAMIN RAN

Palo Alto, CA
 benjaminran

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EDUCATION

University of California at Santa Cruz, Santa Cruz, CA 2014–2017 (EXPECTED)

B.S. in Computer Science

- Relevant Coursework: Algorithms, Machine Learning, Database Management Systems
- GPA: 3.98

Gunn High School, Palo Alto, CA

2010-2014

- GPA: 4.19 weighted, 3.83 unweighted

EXPERIENCE

A9.com (Amazon), Palo Alto, CA

JUNE 2016–SEPTEMBER 2016

Software Engineering Intern

Website

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 APRIL 2016–PRESENT

Developer

Website

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

JUNE 2015–SEPTEMBER 2015

Software Engineering Intern

Website

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

JANUARY 2016

Developer

Devpost | Source

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

SKILLS

- Android Development
- Full Stack Development
- Hadoop & HDFS
- Machine Learning
- Data Analysis
- Automation

LANGUAGES

Java, Python, C, Bash, Javascript