Sean S. Chen

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EDUCATION

UC BERKELEY   *Class of 2016*
B.S. Electrical Engineering & Computer Science

WORK EXPERIENCE

eBay, Inc.
Software Engineer – Monitoring Platform Team   *February 2016 – Present*
  Ingestion Special Interest Group
  - Designated ingress service owner – designed and implemented thread scheduler based application and datatype specific rate limiting
  - Instrumented count/latency metrics and created dashboards and alerts to better detect and diagnose problems for the ingress service
  - Assigned as point of contact for three high-profile customers and helped them onboard onto our monitoring platform

  Application Health Monitoring
  - Implemented windowing, alerting, and scoring functions on Flink-based stream processing system for outlier and anomaly detection
  - Generated dependency graph of all eBay pools, services, and databases using Neo4J to perform root cause analysis of alerts and reduce time to detect/remediate incidents
  - Designed leader election based failover solution and scalable configuration system for adapters using Hazelcast clustering

  Network Monitoring
  - Implemented module which published legacy platform (Sherlock 1.0) alerts to new platform (UMP) for processing
  - Configured deduplication, aggregation, and correlation alert policies, which resulted in a 2500:1 reduction in actionable alert set size
  - Wrote the training documentation and UI for training new network security technicians

Incapture Technologies   *May 2015 – January 2016*
Junior Software Engineer
  - Worked with API team to design and implement API, data migration, and documentation generation using Slate, ANTLR
  - Created a metrics gathering system to record API usage and database writes using StatsD, Graphite, and Grafana
  - Implemented SQL stored procedure functionality using Spring JDBC to abstract away backend databases such as MongoDB, HSQLDB, and PostgreSQL

University of California - Berkeley EECS Department   *August 2013 – December 2015*
Assistant System Administrator
  - Worked with Unix, Windows, and Mac OS systems performing account and network administration, as well as software and hardware configuration for EECS graduate students and professors
  - Promoted to senior position within one semester, assuming personal responsibility for work on professor's machines and participating in the interviewing and training of new employees

TECHNICAL EXPERIENCE

Languages and Technologies
  - Java (proficient), Python (proficient), C (familiar), Ruby on Rails (familiar), JavaScript (familiar), HTML/CSS (familiar)
  - Kafka, ElasticSearch, Storm, Flink, Hazelcast, Neo4J, Docker, Maven, IntelliJ IDEA