

Andrew Tran

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SUMMARY

Software Engineer with experience in full stack web development, integration and unit test development, and big data systems development. Effective team player that works well in Agile and Scrum based environments

SKILLS

Proficient: Java, C++, Python, Kafka, Akka, Scala, Spark, SQL, HTML5, CSS3, jQuery, JavaScript, Git, Agile, Springboot

Familiar: Cucumber, Node.js, Adobe Illustrator, Flask, Django, Ruby, HBase

EXPERIENCE

Salesforce

San Francisco, CA

Senior Software Engineer (Senior Member of Technical Staff)

May 2017 – Present

- Developing Salesforce Customer 360 Data Manager, a platform solution resolving issues of nonuniform customer data across multiple Salesforce systems. Contributed to and overseen development of the project from Proof-of-Concept stages to GA, and now post GA stages
- Built Spark pipelines to process large amounts of data concurrently, saving to HBase data store and interacting with S3 and Salesforce org api's.
- Implement REST api backend to query and execute manipulations on complex data objects in HBase data store
- Develop and deploy microservices to connect with and stream data and metrics from products across multiple development teams and organizations within Salesforce

Salesforce

Indianapolis, IN

Software Engineering Intern

May 2016 – Aug 2016

- Designed and built Ruby gem to house common internal tools for Salesforce Marketing Cloud's Quality Engineering Automation Team, particularly a logging tool to expedite and ease debugging across development teams.
- Built out QE Automation Team's testing web application to help Software Engineers in Test track and visualize test duration metrics using Ruby, StatsD, and Instrumental.

Vertafore

East Lansing, MI

Software Operations Intern

May 2015 – Aug 2015

- Analyzed database fix patterns and worked with development to find and fix root causes of bugs
- Utilized SQL and Pentaho Report Designer and Data Integration to automate customer and business report generation
- Developed scripts to detect the website downtime of Vertafore's partner, the National Insurance Producer Registry (NIPR). Service was pushed to the company's SolarWinds network monitoring dashboard

University of Michigan Advanced Research Computing Technology Services

Ann Arbor, MI

HPC Developer

Feb 2015 – April 2015

- Updated and tested system bash scripts on the university's High Performance Computing cluster to automate compute node reboots in the event of unauthorized user processes and user overuse of allocated memory

Institute for Cyber Enabled Research (iCER), Michigan State University

East Lansing, MI

Research Intern/Assistant

Jun 2014 – Aug 2014

- Designed and ran Python and Bash scripts to test and record computing node speeds on MSU's High Performance Computer's infiniband network.
- Developed Python scripts to collect data from my tests and display data in histogram representation, also wrote scripts to analyze collected data and identify potentially slow or faulty nodes

EDUCATION

University of Michigan

Ann Arbor, MI

B.S. Computer Science, Minor Environmental Science

Dec 2016