Jim Tang

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SUMMARY

Self-motivated, inquisitive, and hard-working candidate looking for junior development position. Has QA testing experience, and has self-taught multiple languages. Holds strong communication skills, with demonstrated effectiveness in working with and leading people. Eager to solve problems.

SKILLS

Languages: Java, Python, XML, SQL, R, HTML, CSS, JavaScript, LaTeX
Application Servers: Tomcat, WebSphere
Frameworks and Technologies: RESTful Services, JUnit, JDBC, Dagger, Spring, Oracle, Android SDK, OKHttp, XStream, JAX-B, Regex, OOP, Design Patterns, Java concurrency, Robot Framework
Methodologies: Agile/Scrum, Kanban, TDD
Tools: IntelliJ, Eclipse, Maven, Oracle SQL Developer, Android Studio, Jenkins CI, Perforce, Git, Rally

EDUCATION

University of California, Berkeley – B.S. in Engineering Physics
Class of 2013; GPA: 3.7

EXPERIENCE

Moody's Analytics: Assistant Director, Quality Assurance Engineering — *June 2015 – Current*

Improved the reliability and speed of automated tests. Troubleshooted client issues with external implementation teams. Created tools for implementation teams. On-boarded and mentored new QA engineers.

- Added a feature in the tests to clean up after successful runs, automating a formerly manual step.
- Wrote a script to identify keyword function usage in tests using **regular expressions**, allowing team members to refactor test code more confidently.
- Collaborated with team members to identify **Smoke and Acceptance test** suites that reduced feedback cycle time from two hours to 15 minutes.

Moody's Analytics: Quality Assurance Engineer — *June 2013 – June 2015*

Developed and maintained test automation codebase written in Java. Added tests to test suite developed with Robot Framework. Wrote test plans with collaboration between product managers and developers.

- Expanded results validation to log column and row of mismatches, saving hours of debugging per test failure.
- Added test keywords to read and write data to and from the backend database directly using **JDBC**.
- Leveraged **Java concurrency API** to run processes in parallel, enabling concurrency testing and parallelizing test setup steps.
- Wrote scripts in **R and Python** to automate generating test data and validating results, saving an hour per test data set.
- Won **first prize in Moody's Analytics hackathon** for a data generation and validation tool in Java.
- Refactored test automation code to use open-source tools such as **OKHttp client, Dagger dependency injection, and XStream XML unmarshalling** for testing **REST services**.

PROJECTS

MyShare App, *https://github.com/wxmann/myshare*
Android app to calculate and save split bills.

- Used Android Studio to develop, learned Android development.

Python data generator, *https://github.com/wxmann/data-generator*
Migrated from Java (Hackathon project) to Python.

- Strengthened Python development skills.

Automated image saver, *https://github.com/wxmann/FileSaver*
Saves dynamic images from websites at periodic time intervals, or bulk saves all image links from a URL.

- Learned Java 8 features.