

Leo Yu

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PROGRAMMING SKILLS/TECHNOLOGIES

- **Strong:** Python, Celery, Docker, OOP/Software Design, Test Driven Design, Build Automation
- **Proficient:** Java, Elasticsearch, SQL, Jenkins, AWS
- **Basic:** MySQL, Kubernetes, Load Testing, HTML/CSS/JS, Node.js, Angular.js 1.x, C

EXPERIENCE

- **JW Player** New York, NY
Software Engineer *Feb. 2016 - Present*
 - **Recommendations API Migration:** Major contributor on large scale recommendations API migration using log replay tool to ensure 100% backwards compatibility
 - **Recommendations Engine Containerization/Orchestration:** Virtualized and refactored recommendations stack using Docker and Docker Compose
 - **Recommendations Engine Functional Test Framework:** Wrote easy to use functional test framework for MySQL-Celery-Elasticsearch-Flask stack for recommendations engine
 - **Kubernetes Migration:** Benchmarked and performance tuned recommendations engine's Celery-based backends for migration to Kubernetes; performed migration of recommendations stack from EC2 deployments to Kubernetes cluster
 - **Continuous Integration Flow:** Streamlined and standardized recommendations team's build/deployment workflow on Jenkins
 - **Load Testing:** Wrote tool that leverages Locust.io to perform distributed load testing via AWS
 - **Engineering Best Practices Advocate:** Improved automated testing culture on recommendations team
 - **Pagerduty Incident Management:** Part of task force for improving incident management process; responsible for organizing the on call rotation for the data team; audited and reorganized recommendation team's monitors and runbooks
 - **JW Player Art Committee:** Helped organize monthly art installations and happy hour as part of employee art gallery committee as part of diversity, inclusion, and company culture initiative
- **Dovetail Systems** Parsippany, NJ
Associate Software Engineer *June 2014 - Feb. 2016*
 - **Functional Test Framework:** Worked on extending existing functional test framework to support multi-day simulations for bank payments processing software
 - **Testing Framework for Core Modules:** Helped develop a framework for testing company's core platform/library in isolation
 - **Maven Migration:** Helped migrate from Ant to Maven as primary build tool, cutting down build times by ~90%; refactors to modularize application code and to clean up dependency tree
 - **Continuous Integration Flow:** Set up Jenkins build/test pipelines for application following modularization of code
 - **Branch Consolidation:** Refactors and bug fixes in engineering-wide effort to consolidate disparate client branches into a single branch
 - **Automated Testing:** Routinely wrote unit/integration/functional tests for product code

EDUCATION

- **Rutgers University** New Brunswick, NJ
Bachelor of Science in Physics, Minor in Computer Science; GPA: 3.52 *Sept. 2009 - May 2013*
- **KTH - Royal Institute of Technology** Stockholm, Sweden
Study Abroad *Aug. 2012 - Jan. 2013*

PERSONAL

- **Fashion Photography:** Directed and published fashion and beauty editorials in various independent magazines, working with teams of models, makeup artists, hair stylists, and wardrobe stylists
- **Powerlifting:** Bench, press, squat, deadlift at an intermediate/advanced level