Yen-Tin Liu

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EXPERIENCE

Zulily, Seattle WA **Nov 2016 - Present**

Software Engineer (Member Engagement Platform Team)

- Led the project to migrate our email sending system to work with SendGrid. The migration focused on better software engineering, highly customized email content, system monitoring as well as proofing and testing capability.
- Integrated AWS Kinesis Analytics Flink Applcation into existing systems so we can process, analyze and monitor the log events in real time.
- On hack day, developed continuous deployment process for our mobile push system with Gitlab and AWS Cloud Formation.
- Initialized new generation of internal UI written in React.js. Learned the library from scratch and then set up development environment, packaging strategy and deployment process.
- Helped migrate jobs/services from Rackspace/Google to AWS. Mainly focused on getting batch jobs run on ECS and API services on Application Load Balancer.

IPsoft, Inc. New York NY **July 2015 – Aug 2016**

R&D Engineer

- Created a graph/tree-like data structure, in which the leaf node stores the performance data of a server we monitored and the parent node stores the integrated performance data for reporting. Stored this data structure in Cassandra database for scalability and fast retrieval.
- Built ticket/change integration framework between IPcenter and IBM SCCD based on XML data exchanged through RESTful API.

TECHNICAL SKILLS

Programming Languages: Java, Scala, Python, Javascript (React)
Data Store: Cassandra, MongoDB, MySQL, Redis
Development Tools: Spring, Maven, Gradle, Docker, Hibernate, AJAX, HTML, CSS
Big Data: Tornado, Ansible, Hadoop, MapReduce, Spark, Flink
Cloud Services (AWS): SQS, Kinesis, ECS, EMR, S3, CloudFront, CloudFormation, Lambda, RDS, DynamoDB

EDUCATION

New York University, New York, NY **May 2015**
Master of Science in Computer Science **3.7 / 4.0**

- Focused on Big Data and Search Engine
- *Movie Search and Recommend Engine (Group project for Search Engine Architecture)*
  Designed a distributed worker system for offline works, which include training the classification model and indexing with mapreduce framework. The search engine then supports recommendation function by looking for the similar reviews users. We also created own distributed memory system for the offline works in the latest version.
- *Knowledge Graph (Group project for Web Search Engine)*
  Crawled more than 7 million Wikipedia pages, extracting relations from infobox, tables and lists to acquire the information of entities. Users are able to search with semi-structured query and get knowledge about that query, which is not explicitly present on the Internet.

National Tsing Hua University, Hsinchu, Taiwan **May 2009**
Bachelor of Arts in Economics **3.45 / 4.0**