

Zhuoli Liang

3 Years of enterprise experience
Bellevue, WA 98004

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EDUCATION:

Northeastern University, Boston, MA, **GPA 3.4/4.0**

Master of Computer Science

September 2012 – December 2014

Shenzhen University, P.R. China, **GPA 3.8/4.0**

Bachelor of Engineering in Automation Engineering

September 2008 – June 2012

TECHNICAL SKILLS:

Programming language: C#, Python, Java, Go, C/C++

Experience: Linux, Git, AWS, Backend, Keras, TensorFlow

PROFESSIONAL EXPERIENCE

Amazon, Alexa platform Team

500 Boren Ave N, Seattle, WA 98109

Aug 2016 – Current

- Designing and implementing Automation Framework on based on selenium to provide a configuration based parallelize Automation test model.

BitTitan, Software Design Engineer

3933 Lake Washington Blvd NE #200, Kirkland, WA, 98033

March 2015 – Aug 2016

- Responsible for email migration tool - LotusExtractor, independently refactored WCF Clients-Server proxy to remove the existing performance bottleneck by fixing a bunch of concurrency conflicts and replacing the synchronized communication model to asynchronous one.
- Real-time Sensitive Data scanning for the ongoing migration data stream.
- Independently designed, implemented Integration test for two Remote Agent products.

Software Engineer, Co-Op, MassMutual Financial Group, Boston, MA

January 2014 – June 2014

- Cleaned raw data in Knowledge System and built a **MySQL** database then classified using **Naïve Bayes Classifier**;
- Visualized business data and identified patterns between team members' performance and their personal traffic log using **Python** and **Matplotlib**;
- Developed full stack for data-visualization website using **Tomcat/JPA** with HTML, CSS, **JavaScript** and D3 Library;
- Integrated team project using CI/Jenkins and used Git as distributed revision control system.

PERSONAL EXPERIENCE

Earning Manager: <https://github.com/Zhuoli/EarningManagement>

November 2015 – Current

- Designed a stock assistance system running on AWS EC2 for my real-time shares monitor.
- Real-time Nasdaq website crawler to query my Shares' stock price and Target Price.
- Integrated with Robinhood, periodically check new emails sent from Robinhood to update Transaction records to AWS database.
- Setup email connector and Amazon SNS to send me Gmail alert and SMS whenever there is an alert ready.
- Continuous integration using AWS CodeDeploy, Pipeline and Solanolabs.

VPN project for Chinese Great Fire Wall: <http://www.tomandjerry.tech>

Sept 2016 – Current

- Inspired by huge demand of browsing foreign websites but blocked by Chinese GFW, I launched a VPN server website with one more partner aimed to help Chinese users to connect to the World.
- Held host service on AWS EC2 and building website using Grails Framework to gain the script benefit of Java
- Setting up worker machines to handle VPN server, and implementing load balance tools to scale and assign VPN workload.

ACADEMIC EXPERIENCE, Northeastern University

Music Recognition

September 2014 – December 2014

- Evaluated different algorithms for audio fingerprinting and searched open source algorithm code to build on;
- Applied agile development within 3 months period, used Git for source control;
- Used **MySQL** for building and accessing audio database on the Server and writing **JDBC** connection;