MINH LE HOANG

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EXPERIENCES

Software Developer for Review Board project (https://www.reviewboard.org/)

(January 2016 – April 2016) – 4 months

- Implemented OAuth2 for Review Board's API to standardize the authorization mechanism.
- Integrated Django OAuth took kit with Review Board's APIs and configuration pages to minimize development effort, improve security and enhance user experience.
- Investigated, designed and implemented dynamic scopes support for OAuth2 to allow OAuth2 to be user for Review Board's extensions (Django OAuth took kit does not support dynamic scopes).
- Generated weekly report and monthly video demo for mentors to coordinate development effort remotely.

Research assistance for Beehive project (https://github.com/kandoo/beehive)

(January 2016 – April 2016) – 4 months

- Designed and implemented experiment framework integrated with Microsoft Excel pivot table to run experiments, collect experiment metrics and graph experiment results.
- Implemented various optimization methods on load balancing workload in distributed environment.

Software Development Engineers Intern at Microsoft

(June 2014 – August 2014) & (May 2015 –July 2015) – 6 months

- Enabled preview mode for dynamic layout and content for Window 10 store to increase confidence, reduce risk, simplify end-to-end verification, improve testing surface for any data change that could have worldwide impact.
- Designed and implemented protecting logic for preview feature to avoid DDOS on front door services.
- Drove the team's self-hosting progress, made sure the team is 100% self-hosting on PC and on Phone.
- Assisted Rating-Review team to created monitor services on new hosting environment.
- Created ASP .Net MVC 4 application for generating dynamic layout data for the Window 10.
- Set up Apache Zookeeper prototype for coordinating Window 10 store Rating-Review and dynamic layout data across data centers to provide consistent user experience across the globe.

Software Development Engineers Intern at Amazon.com

(September 2014 – February 2015) – 6 months

- Created single-page application using different technology (EmberJs, DynamoDB, Spring for dependency injection, JUnit, Mockito for testing) to validate Kindle's advertisements content.
- Assisted designer on building advertisement's templates for Kindle special offer program.

Teaching Assistant for CSC258: Computer Organization at University of Toronto

(September 2013 – April 2014) – 8 months

- Marked pre-labs, in-lab works, midterms and finals.
- Conducted labs with digital logic circuits and Verilog on weekly basic.
- Gave out assembly lecture while the instructor was away for conference.

Associate Database Analyst at Bank of America Merrill Lynch
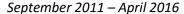
(May 2013 - August 2013) – 4 months

- Supported migration from IBM - WebSphere Application Server version 6 to version 8.5.
- Developed an internal webpages using Java, JFS, Spring MVC framework, Hibernate, Apache Velocity, RAD, WAS that exposed 5000+ configuration differences 8 different environments.

EDUCATION

Honours Bachelor of Science at University of Toronto

September 2011 – April 2016

Specializing in Computer science

Cumulative GPA: 3.89 / 4.0