

SOPHIA LEE

sophia@transgirltheory.com
University of Illinois, Urbana-Champaign
Major: Mathematics
Minor: Computer Science

WORK EXPERIENCE

MICROSOFT

SOFTWARE ENGINEER II

DEC 2013 – CURRENT

- Implemented Voice Search on New Tab Page
- Implemented the Bing Image of the Day feature on Edge's Default Homepage.
 - Implemented the feature using TypeScript React/Redux.
 - Used data driven analysis to increase user interaction rates on the site without any negative impacts to any other core metrics.
- Subject matter expert and lead developer on implementing https on MSN.
 - Created full https framework including link creation, redirection, STS Headers and CSP Headers.
 - Added custom testing and logging capabilities to report on CMS content issues and insecure ads.
 - Created framework for validating CMS content updates to ensure content is secure.
- Created a settings history framework to prevent race conditions of settings version mismatches.
- Subject matter expert on MSN resource file generation pipeline (CSS/JS) including Akamai Cache settings, application cache design.
- Coordinates and leads developers for on call issues for MSN homepage.
- Maintained a common logging platform used by all services used by the MSN site and the various apps across MSN.
- Created a common social media sharing and URL shortening service for use across msn.com and the various apps. Collected statistics and telemetry data on sharing and click through rates.
- Developed and maintained multiple dynamic features of the MSN homepage from back end services communications to front end html, CSS and JavaScript. Skype, Facebook, Outlook etc. features.

DIVERSITY AND INCLUSION CHAMPION

- Participated in promotional videos, articles about Diversity and Inclusion at Microsoft.
- Helped revive and lead the Transgender Discussion Group at Microsoft.
- Gave input for various Transgender issues at Microsoft including facilities design, and HR policies.
- Event speaker at technology diversity and inclusion events.
- Created a Diversity and Inclusion Book Club for the organization.

GENDER JUSTICE LEAGUE

BOARD MEMBER

SPRING 2016 – SPRING 2020

BOARD CHAIR

JUNE 2017 – SUMMER 2019

- Provide overall technical knowledge to help the organization run more efficiently.
- Lead Board Meetings and provide guidance for the organization executive directors and staff.
- Helped triple the operating budget of the organization by helping with organization and fund raising.
- Part of the executive committee of the coalition Washington Won't Discriminate.
- Helped organize Trans Pride Seattle
- Provided expert testimony for hearings on Transgender Rights.

FEEDOLU

CO-FOUNDER AND APPLICATION ARCHITECT

JAN 2013 – JUNE 2015

- Created a new RSS feed reader in php and MySQL focused on bringing RSS feeds to non-technical users.
- Architected both front and backend application code and data flow.
- Designed application to be fully dynamic and responsive.
- Added distributed backend feed processing using RabbitMQ.
- Integrated system with Facebook, Twitter, Pinterest, Google+ and Buffer.

- Integrated Piwik to track user activity and create monetization plans.
- Created universal Web Sockets API in Java.
- Created mobile and desktop versions of the applications.
- Setup live full text searches using Elastic Search.

HUBBARD ONE/ELITE (THOMSON REUTERS)

SOFTWARE ENGINEER OCT 2010 – JUNE 2013
 SENIOR SOFTWARE ENGINEER JUNE 2013 – OCT 2013

- Maintained and enhanced the Business Development Suite, a multipart CRM application used to build websites, marketing materials, profiles and proposals in C#.
- Helped develop a new product One View Foundation that helps law firms identify and connect entities across different systems and databases. Uses SSIS packages, SharePoint, WCF, written in C#.
- Setup a Continuous Integration Server and a push button deployment process with auto publishing results using Team City and SharePoint.
- Integrated the Business Development Suite and One View Foundation to provide clients with both products additional value.

INDEPENDENT CONSULTING

WWW.BCKSTGR.COM JAN 2012 – JUNE 2012

- Frontend development of the site using jQuery, PHP, JavaScript, HTML.
- Created an Ajax communication protocol to make the entire site responsive and dynamic.
- Developed the software for a multi database schema designed for high volume considerations.
- Communicated with various parts of the backend API.

WWW.PEEPSANDCOMPANY.COM OCT 2010 – MARCH 2012

- Customized Pinnacle Cart to build a web store using PHP and MySQL for Just Born.
- Implemented a custom skin for Pinnacle Cart
- Built in automated SOAP based communications to distributor warehouses
- Built in customized communications to billing systems
- Created a notion of grouped items with color/size attributes and added automated swapping of items and images for the customer.
- Expanded payment functionality to include delayed payments, returns, partial returns and cancelations.
- Implemented communication to new FedEx API.
- Created Products Feed for Google Products.
- Revamp Email to Friend functionality.
- Created email and text message alerts for failed automated communications with external systems.

WWW.GHE-INC.COM SEPT 2011 – OCT 2011

- Worked with a designer to implement a new design layout for internal web application written in C#.
- Provided backend .net and C# expertise for custom controls.

OTHER

- Social Media integration, dynamic website functionality and browser compatibility work of various websites. dashal.com, carolroth.com, donnasaul.com etc.

FALKOR GROUP

APPLICATION DEVELOPER MARCH 2008 – AUG 2010

- Helped develop a SDLC, maintenance and project emends process and documentation for the application development group of the company
- Maintained and enhanced a shopping cart application written in PHP and MySQL
- Modified and customized and created theme for an open source CMS Dot Net Nuke
- Maintained and enhanced a document template management application written in PHP and MySQL
- Provided enhancements for an invoicing and reporting application written in PHP and MySQL

- Finished an application written in PHP and MySQL that is used by client for all aspects of their business including customer, sponsor, employee data, invoicing, payments and reporting
- Responsible for finishing and resolving pre-existing projects with issue clients
- Provide prompt maintenance and issue resolution for clients
- Rewrote and updated a shopping cart application with C# and LINQ
- Designed and implemented a basic CMS system for use in conjunction with the shopping cart application items with dynamically generated structures, input fields, validation and visualization functionalities

PRAIRIE PACKAGING

CONSULTANT DEVELOPER

MAY 2007 – MARCH 2008

- Responsible for daily and monthly database management procedures for Forecast
- Helps manages procedures and jobs in Webfocus
- Responsible for ensuring integrity of database and recovering from issues
- Update and develop software for use within the company

ANIME CENTRAL

IT ASSISTANT DEPARTMENT HEAD

SPRING 2006 – SPRING-2007

- Helped develop a Credit Card Transaction system for use in 2007
- Integrating databases of several different departments into a centralized database in PHP and MySQL

REGISTRATION ASSISTANT DEPARTMENT HEAD

SPRING 2005 - SPRING 2006

- Developed a registration system using MySQL and PHP for Anime Central, an anime convention based in Chicago with over ten thousand attendees in 2006

MIMOSA ACOUSTICS

JUNIOR PROGRAMMER

SUMMER 2004

- Developed a new product used to diagnose the health of an ear that combined the functions of three previous products with new features and compatibility with new hardware
- Used Install Shield to build installation executable
- Used subversion for version control with other developers
- Provided technical support and wrote user manual with LaTeX

LANGUAGE SKILLS

- Korean: Native Speaker. Attended elementary school and jr. high school in the Republic of Korea
- Japanese: Proficient ability to read, write, and speak