

SOPHIA LEE

SOFTWARE ENGINEER | CIVIL AND HUMAN RIGHTS EXPERT | SOPHIA@TRANSGIRLTHEORY.COM

WORK EXPERIENCE

DIGIDEMS / BILL FOSTER FOR CONGRESS CAMPAIGN

DIGIDEM POLITICAL TECH SPECIALIST

JUNE 2022 – NOV 2022

- Created custom software to help sync different systems across the Democratic Tech Eco Systems
 - System was used by Congressman for Fundraising
 - Increased call time efficiency 100%
 - Ensured Congressman to have the most up to date information from NGP without constant import/exporting
- Implemented latest digital security practices for the campaign.
- Created custom election results tracking system that regularly checked all the county board websites in the district for the most up to date information before being announced on news agencies
- Provided Accessibility, Performance analysis for website
- Created live data syncing reports to track field work
- Mentored various other DigiDems for career development

MICROSOFT

SOFTWARE ENGINEER II

DEC 2013 – JUNE 2022

- Implemented Voice Search on New Tab Page using TypeScript React/Redux
- 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

- Featured in promotional videos, articles about Diversity and Inclusion at Microsoft.
- Co-Led the Transgender 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

- Lead Board Meetings and provide guidance for the organization executive directors and staff.
- Managed the technical infrastructure and made decisions of directions for the organization in terms of tech.
- 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 and fought back against Anti-Transgender efforts in Washington state.
- Organized 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 telemetry 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.

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