

Monica Wei

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WORK EXPERIENCE

Software Engineer 2

Microsoft, Redmond WA – June 2021-Present

Dynamics for Sales

- Developing front-end engineering practices to help bridge quality and design gaps in customer-facing features.

Software Engineer 2

Microsoft, Redmond WA – Mar 2020-June 2021

Azure IaaS Experiences

- Front-end developer for the Azure Portal Storage UX team
- Utilized React to build a new experience on Portal for users to create and manage storage accounts.
- Became the team expert for telemetry on our new React experiences, and created Power BI dashboards to track.
- Utilized Knockout to develop the UX for blob index tags, allowing customers to manage & find data on blob storage.
- As part of the Data Driven Engineering v-team, created Kusto queries to retrieve data for entry/egress points on our blades

Software Engineer 2

Microsoft, Redmond WA - Aug 2017-Mar 2020

OneDrive/Sharepoint Collaboration

- Utilized React/Javascript to develop several key sharing and collaboration features across OneDrive and SharePoint.
- Developed the Manage Access panel to allow users to manage all sharing links on their files/folders
- Developed the UI for Site Sharing Reports, which shows SharePoint admins all sharing that occurred on their sites.
- Regularly fix accessibility bugs on multiple platforms
- Utilized C# to create a feature for Shell, to block sharing to certain users and groups they specify on their OneDrive.

Teaching Assistant (CS 3114, Data Structures and Algorithms)

Virginia Tech - Spring 2017

- Regularly hosted office hours to help students with programming projects and homework
- Topics included Binary Search Trees, Hashing, Algorithm Analysis, File I/O

Software Engineering Intern

Microsoft, Redmond WA - Summer 2016

OneDrive/Sharepoint eXperiences & Platform

- Worked to create a UI that gathered all sharing links on a site, and allowed administrators to take executive actions (remove links, change expiration)
- Used C#, ASP.NET, Javascript, CAML queries

Explorer Intern

Microsoft, Redmond WA - Summer 2015

Office Engineering

- Spoke with customers to research potential ideas that improve employees' efficiency in resolving failures.
- Utilized SQL, C#, Javascript and HTML to retrieve call stacks, result logs, and failure information from databases and presented them to developers.

Software Intern for Namespace Mandate Demos

Axone SA, Geneva, Switzerland - Summer 2014

- Worked overseas to improve web user interface of the "Lexical Research Tool" for the city of Paris.
- Utilized PHP and SQL to create search bars, table displays, and word clouds for domain-name data.

EDUCATION

School of Visual Concepts – Seattle, WA

2021

Coursework: Visual Design & Layout Fundamentals, Fundamentals of UX

Virginia Tech – Blacksburg, VA

2013 - 2017

B.S, Computer Science with Honors

Minor in Industrial Design

GPA - 3.73

Coursework: Human-Computer-Interaction Capstone, Undergraduate Research, Comparative Languages, Computer Systems, Data Structures and Algorithms, Computer Organization II, ACM-ICPC Programming Team, Mobile Software Development (iOS), Human Factors, GUI Programming & Graphics, Statistics for Electrical Engineers, Combinatorics

University of Edinburgh – Edinburgh, Scotland

Spring 2016

Visiting Student in the College of Informatics

Coursework: Computer Security, Theoretical Computer Science, Natural Language Processing

PROJECTS

Undergraduate Researcher (Human Computer Interaction)

Virginia Tech, Fall 2016

- implemented multi-user display interfaces with the Microsoft Perceptive Pixel
- Primarily used C# to import csv files, and used D3.js to display interactive parallel coordinate graphs of the data.

Park Painter, StudentHack IV, Manchester Metropolitan University UK, Spring 2016

- Used Swift, Python, to create "geo-caching" iOS application used for creating & exploring art in local parks
- Winner of "Best Use of the Yelp API" – <https://devpost.com/software/park-painter>

AWARDS

University Honors Academic Merit Scholarship, Spring 2016

Microsoft Scholarship Award Recipient, Spring 2015 & 2016

Google Grace Hopper Travel Grant Recipient, Fall 2015

Computer Science Resources Consortium Scholarship, Virginia Tech, 2014

Dean's List/Dean's List with Distinction, Virginia Tech, Spring 2013 – 2017

SKILLS

React, Javascript, C#, Java, Kusto, C, HTML, CSS, Typescript, Knockout.js, Python, SQL, Linux, XML, PHP, Figma, Swift, Git, Visual Studio, Fiddler, Adobe Lightroom, Adobe Photoshop, XCode 8, Windows 10, Mac OS

LEADERSHIP EXPERIENCE

Vice-President New Member Educator, Vice-President of Service, Public Relations Officer & Historian, alpha Kappa Delta Phi Sorority, Virginia Tech Associate Chapter, Spring 2015-2017

Computer Science Ambassador, Virginia Tech, Fall 2015-2017

Computer Science/ECE Department Female Mentor, Spring 2015