SONYA LAO

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Skills

PROGRAMMING LANGUAGES

Java
SQL
HTML
CSS
C#
R
Javascript
PHP
Golang

FRAMEWORKS & LIBRARIES

Vega-Lite API
D3.js

SOFTWARE

Microsoft Power BI
Microsoft Excel
Postman
Tableau

SPOKEN LANGUAGES

English
Mandarin
Cantonese

CERTIFICATIONS

Cisco Certified Network Associate (CCNA) 2016

Cisco Certified Network Professional (CCNP) 2017, Routing

Education

University of Washington Seattle   Sept. 2017 to Mar. 2021
BS Computer Science 2021
Paul G. Allen School of Computer Science and Engineering Freshman Direct Admit
Paul G. Allen School of Computer Science GHC Scholar 2018

Employment

Microsoft   Redmond, WA
Software Engineer   May 2021 to Current

University of Washington Paul G. Allen School of Computer Science   Seattle
Undergraduate Teaching Assistant   Jan. 2021 to Mar. 2021
Teaching Assistant for CSE 412 Introduction to Data Visualization for non-major students. Responsible for creating 2 lesson plans and teaching quiz section to 25 students each week. Provided debugging support in D3.js, vega-lite, and Tableau on student projects during weekly office hours.

Amazon Web Services (AWS)   Remote Internship
Software Developer Intern   Sept. 2020 to Dec. 2020
SDE Intern on the AppStream Data Plane team working on creating an internal diagnostics tool written in **Golang** and compatible on Windows and Linux

Microsoft   Remote Internship
Software Engineer Intern   July 2020 to Sept. 2020
Software Engineer intern on the Graph Connectors team in M365 Core. Working on enabling enriched content for the Microsoft Search experience

Amazon Web Services (AWS)   Seattle, WA
Software Developer Intern - AFE   June 2019 to Sept. 2019
- SDE Intern on the AppStream 2.0 team working on a **cross platform** desktop GUI application with platform agnostic UI components
- Followed **Kanban** based **Agile** project management methodology
- Technologies used: **Xamarin Forms** , C#, **.NET** Standard and .NET Core, **Mono** Runtime

University of Washington Learning Technologies   Seattle, WA
Productivity Tools Instructor   Jan. 2018 to June 2020
- Served as the Learning Technologies consultant regarding **Microsoft Excel and R**.
- Developed lesson plans and workshop materials for Beginning/Intermediate Excel workshops and Intro to R workshops
- Taught **30-person workshops** weekly
- Assisted staff members of the University of Washington community with their Excel needs through 1 on 1 consultations on topics like workbook **design decisions** and **data analysis** with charts and pivot tables.

Port of Seattle   Seattle, WA
Data Analyst Intern   June 2018 to Aug. 2018
- Built **business insight dashboards** to visualize how airport terminal space, and its many components have changed over time.
- Delivered dashboard with data insights from 2005 to 2018
- Built data pipeline using **Excel and Microsoft Access** to clean the dataset and query the database
- Created Pivot tables and Pivot charts in Excel to visualize the data.

Awards

Rewriting the Code · Fellow   Sept. 2019
Working to build a support network of undergraduate women studying computer science. Member of the Data Science Affinity Group Leadership Team and #ThrowbackThursday team. Learn more at rewritingthecode.org
Fellow since 2017

UW Paul G. Allen School of Computer Science and Engineering ·   Sept.
Google Endowed Scholarship in Computer Science and Engineering   2017
Merit-based scholarship granted for the 2017 – 2018 academic year to fund the cost of attending university and the Paul G. Allen School of Computer Science

National Center for Women and IT (NCWIT) ·   Dec.
Aspirations in Computing WA Affiliate Winner, National Honorable Mention   2017
Award given by the National Center for Women and IT (NCWIT) (ncwit.org). 10 percent of about 3,500 applicants selected as National Honorable Mentions. 1 of 20 high school women in Washington state selected for achievements in computing.