SONYA LAO

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Skills

PROGRAMMING LANGUAGES

Java

SQL, SQLite

HTML

CSS

C#

.NET Framework

FRAMEWORKS & LIBRARIES

.NET Framework

Mono

Xamarin.Forms

SOFTWARE

Microsoft Power BI

Microsoft Excel

SQL Server Management Studio

Windows Server 2016

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 June 2021

BS Computer Science 2021

Paul G. Allen School of Computer Science and Engineering Freshman Direct Admit

Completed Courses: Hardware/Software Interfaces, Foundations of Computing, Data Structures and Parallelism, Software Design and Implementation, Introduction to Data Management, Computer Security, Introduction to Machine Learning

Paul G. Allen School of Computer Science GHC Scholar 2018

Employment

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 Current

- Served as the Learning Technologies consultant regarding **Microsoft Excel**.
- Developed lesson plans and workshop materials for Beginning and Intermediate Excel 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

IT Content Services Intern
July 2017 to Aug. 2017

- Rebuilt the development team's internal work reporting Sharepoint site
- Followed the **Agile** software development cycle
- Created a data model for the structures of the old and new sites.
- Utilized Sharepoint Designer, Sharepoint API, Sharepoint 2010 and Sharepoint Online, HTML, CSS, **Javascript**.

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.

Microsoft
Redmond, WA

High School Software Engineer Intern
June 2016 to Aug. 2016

- Intern on the **SQL Server Management Studio (SSMS) Team** to deploy code measuring user metrics
- Created a telemetry pipeline to query the database and aggregate the collected data with SSMS.
- Visualized the data to create business insights in Microsoft **Power BI** using various graphs.

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 · Google Endowed Scholarship in Computer Science and Engineering
Sept. 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) · Aspirations in Computing WA Affiliate Winner, National Honorable Mention
Dec. 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.