

VANESSA HSU

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SUMMARY

Junior in the Informatics major seeking a data science internship. I spend my days writing code and analyzing data gain insight and create images on my computer screen. I encourage women and children to learn how to do the same through Girls Who Code, TechPlusPlus, and coding workshops.

EMPLOYMENT

Jun 2016 to Aug 2016

Expedia · Software Development Apprentice · Bellevue, WA

- Made cruise itinerary page responsive and updated layout
- UI bug fixes on cruise search results mobile and desktop view
- Updated Omniture tags on cruise search page

EDUCATION

2019

University of Washington

B.S. Informatics

Robinson Center for Young Scholars, UW Academy

Coursework: Database Systems, Client-Side Web Development, Project Management, Data Structures and Algorithms

SKILLS

PROGRAMMING LANGUAGES
ADOBE CREATIVE SUITE
OTHER

Java, HTML, CSS, R, SQL, Javascript, PHP
Photoshop, Illustrator, Premiere
Final Cut Pro, Web Accessibility

PROJECTS

Jun 2017 to Aug 2017

Travler Database Project

- Conceived, diagrammed, coded and populated an original database for managing a flight and housing booking service to Third-Normal Form (3NF) using MS SQL Server 2014.
- Built multiple stored procedures with input parameters, variables, error-handling and explicit transactions to manage INSERT activity
- Created synthetic transactions/test wrapper around original production stored procedures to validate throughput volume of 100,000+ INSERTS
- Created nested stored procedures with output parameters to improve modularity of database environment
- Implemented High-Availability (database mirroring) as well as scalability solutions (Replication and Log Shipping).
- Developed both routine maintenance and disaster-recovery plan as part of a Service-Level Agreement (SLA)
- Leveraged native monitoring tools including SQL Server Profiler, System Monitor, Activity Monitor and Dynamic Management Views (DMVs) to assess database health
- Conducted live troubleshooting efforts in presence of primary stakeholder and restored multiple backup files to a specified point-in-time

May 2017 to Jun 2017

Spotify Audio Features Analysis

- Link to project: https://github.com/ryukiri/info_201_final_project
- Used Billboard Annual Hot-100 charts and past Spotify playlists to build visual representations depicting how pop music has evolved from 1980-2016
- Utilized Billboard unofficial API and Spotify API
- Gives 10 song recommendations and recommended years based on the audio features of user input songs

Jun 2015 to Aug 2015

Girls Who Code Summer Immersion Program at Expedia

- Created and presented a web app for finding local events using HTML, CSS, Javascript
- Learned HTML, CSS, Javascript, Python
- Planned reunion events and promoted Girls Who Code as an Alumna Ambassador

ACTIVITIES

Nov 2016 to Current

TechPlusPlus · Secretary

Sep 2015 to Current

SWE · Member

VOLUNTEERING

Apr 2016 to Apr 2016

Newport Way Library · Teacher · Bellevue, WA

- Partnered with local library to host a two day coding camp for young children
- Taught HTML, Javascript graphics, Scratch
- Assisted kids in creating simple webpage and pong game