BLUE JO

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Junior at the University of Washington, majoring in computer science.

Experience

UW HCI Lab:
Sept 2016-Current
Over the summer, I coauthored a paper about online experiments for CHI 2018. I have also been working on implementing a study on the online platform, LabInTheWild. My study will examine how visual complexity in websites affects their perceived usability, a factor that is predictive of technology adoption.

Projects

Digestif:
HTML, Bootstrap, JQuery, JS
With a graduate student, I helped implement a prototype for an online tool that helps researchers create conclusion pages for their online experiments. We have done user testing and are now working on a second iteration of the tool.

UW Campus Map:
Java, Swing, JUnit, Git
For my Software Design and Implementation class, I wrote and tested a "google maps" application for the UW campus which displays a map of campus and the shortest path between any two buildings on the map.

Malloc:
C, Linux/bash, Git
For my Hardware-Software Interface class, I implemented C's memory allocation function, malloc, by creating a data structure that manages, allocates, and joins blocks of memory when they are allocated and free'd.

Reservation System:
Java, SQL, Git
For my Data Management class, I designed and implemented a schema for a database of flights and reservations. I then wrote a command line tool that allows people to login, search for flights, and reserve or cancel flights.

Coursework

Data Structures and Parallelism, Foundations of Computing I, Foundations of Computing II, Software Design and Implementation, The Hardware-Software Interface, Introduction to Data Management, Systems Programming, Programming Languages

Skills

Java, C, C++, SQL, HTML, CSS